

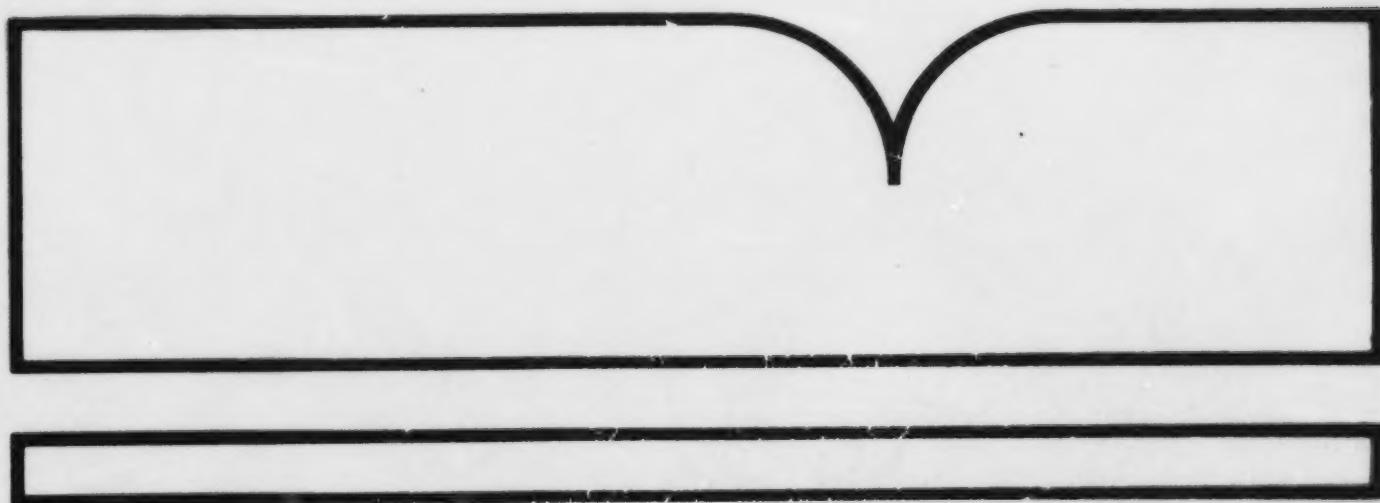
BACT/LACER Clearinghouse: A Compilation of
Control Technology Determinations. Appendix G
Volume 2. Source Type Codes 6.0-12.0

PEDCo-Environmental, Inc., Cincinnati, OH

Prepared for

Environmental Protection Agency
Research Triangle Park, NC

Apr 83



U.S. Department of Commerce
National Technical Information Service

NTIS

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

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15. SUPPLEMENTARY NOTES This report will be supplemented from time to time as new determinations require. Users of this report should contact Gary Rust, Control Programs Development Division (919/541-5516) to get number of subsequent reports.					
16. ABSTRACT This report contains summary sheets for permits that were issued by EPA Regional Offices, State and/or local control agencies permitting groups. The actual permits are still contained in the permitting agencies files and if more detailed information is desired, the person indicated should be contacted. Users should be cautioned that data contained in this document is submitted on a voluntary basis and, therefore, all of the permits issued during the time span shown (Jan. 1980 - April 1983) may not be included. This volume of Appendix G only covers source type codes 6.0 to 12.0 and Volume I of Appendix G should be reviewed for source type codes 1.0 to 5.0. Data contained in this report is also on the U.S. EPA Univac Computer system.					
17. KEY WORDS AND DOCUMENT ANALYSIS					
a. DESCRIPTORS		b. IDENTIFIERS/OPEN ENDED TERMS		c. COSATI Field/Group	
Air Pollution Industrial Processes Combustion Sources Control Equipment Coal Oil		Bark Nitrogen Oxides Scrubbers Baghouses Electrostatic Precipitators		Air Pollution Control Stationary Sources BACT LAER Sulfur Dioxide Particulate VOC	
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BACT/LAER CLEARINGHOUSE

A COMPILATION OF CONTROL TECHNOLOGY DETERMINATIONS

Appendix G - Volume II

Source Type Codes 6.0-12.0



April 1983

Developed as Part of a Joint Effort
Between The U.S. Environmental Protection Agency
and State and Local Air Pollution Control Agencies

REPRODUCED BY
NATIONAL TECHNICAL
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U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA 22161

Appendix G - Volume II
Source Type Codes 6.0-12.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ACRYLIC ACID PLANT

COMPANY NAME/SITE LOCATION BADISCHE CORP.

FREEPORT, TX

BRAZORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-284
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

TOM DIGGS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/05/81
ESTIMATED DATE OF START-UP-- 1980
(214)-767-1594
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

WASTE INCIN., 2 EA

50.00 MMBTU/H

SO2

0.6800 LB/MMBTU

BACT

NOX

0.7300 LB/MMBTU

BACT

LOW S FUEL(OIL/GAS), & WASTE
FLUE GAS O2 CONTROL

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0047

SOURCE TYPE CODE

6.3

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALKYL BENZENE 150.00 MMBTU/YR

COMPANY NAME/SITE LOCATION CONOCO, INC. WESTLAKE, LA CALCASIEU PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. (REGION FILE NO.) PSD-LA-291
 DETERMINATION MADE BY EPA REGION VI
 (AGENCY)
 TOM DIGGS
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 10/08/80
 ESTIMATED DATE OF START-UP-- 1982
 (214)-767-1594
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PACOL HEATER, CHARGE	48.68 MMBTU/H	NOX	0.0960 LB/MMBTU LOW NOX BURNERS > 20% EXCESS AIR	BACT
		CO	0.0180 LB/MMBTU FLUE GAS O2 MONITORING	BACT
HEATER, STARTUP	11.37 MMBTU/H	NOX	0.0970 LB/MMBTU LOW NOX BURNERS > 20% EXCESS AIR	BACT
		CO	0.0260 LB/MMBTU FLUE GAS O2 MONITORING	BACT
HEATER, HOT OIL	134.88 MMBTU/H	NOX	0.0970 LB/MMBTU LOW NOX BURNERS > 20% EXCESS AIR	BACT
		CO	0.0210 LB/MMBTU FLUE GAS O2 MONITORING	BACT
FLARE		NOX	0.1200 LB/H	BACT
		CO	0.0200 LB/H	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 524

ID NUMBER LA-0020

SOURCE TYPE CODE 6.9

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CARBON BLACK 320.00 MTLB/YR

LA

COMPANY NAME/SITE LOCATION ASHLAND CHEMICAL CO.

DATE OF PERMIT ISSUANCE-- 06/23/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. LA-339
DETERMINATION MADE BY
EPA REGION VI
(AGENCY)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

DRYER 1

50.50 MTBTU/H

S02	38.3000 LB/H	EFFICIENT OPERATION	BACT
NOX	10.7000 LB/H	LOW EXCESS AIR	BACT
CO	36.9000 LB/H	EFFICIENT COMBUSTION	BACT
PH	6.2400 LB/H	EFFICIENT COMBUSTION	BACT
VOC	4.0000 LB/H	EFFICIENT COMBUSTION	BACT

DRYER 2

110.00 MTBTU/H

S02	777.6000 LB/H	EFFICIENT OPERATION	BACT
NOX	9.6900 LB/H	LOW EXCESS AIR	BACT
CO	79.3000 LB/H	EFFICIENT COMBUSTION	BACT
PH	15.2800 LB/H	EFFICIENT COMBUSTION	BACT
VOC	9.1000 LB/H	EFFICIENT COMBUSTION	BACT

(CONTINUED) ASHLAND CHEMICAL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CO BOILER	125.40 MBTU/H	SO2	977.3000 LB/H EFFICIENT COMBUSTION	BACT
		NOX	26.4000 LB/H LOW EXCESS AIR	BACT
		CO	94.0000 LB/H EFFICIENT COMBUSTION	BACT
		PM	6.9000 LB/H EFFICIENT COMBUSTION	BACT
		VOC	19.3000 LB/H EFFICIENT COMBUSTION	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 526

ID NUMBER LA-0025

SOURCE TYPE CODE 6.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CARBON BLACK

COMPANY NAME/SITE LOCATION ASHLAND CHEMICAL CO.

, TX

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. TX-338
DETERMINATION MADE BY

EPA REGION VI
(AGENCY)

JOE WINKLER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/02/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

STACK DRYER 2

53.00 HMBTU/H

PM	7.4000 LB/H	FABRIC SYS	BACT
SO2	373.9000 LB/H	PROPER OPERATION	BACT
NOX	20.0000 LB/H	LOW EXCESS AIR	BACT
VOC	1.4000 LB/H	EFFICIENT COMBUSTION	BACT
CO	42.5000 LB/H	EFFICIENT COMBUSTION	BACT

STACK DRYER 1

53.00 HMBTU/H

PM	7.4000 LB/H	FABRIC SYS	BACT
SO2	373.9000 LB/H	PROPER OPERATION	BACT
NOX	20.0000 LB/H	LOW EXCESS AIR	BACT
VOC	1.4000 LB/H	EFFICIENT COMBUSTION	BACT
CO	42.5000 LB/H	EFFICIENT COMBUSTION	BACT

(CONTINUED) ASHLAND CHEMICAL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CO BOILER	61.00 MMBTU/H	PM	10.0000 LB/H FABRIC SYS	BACT
		SO2	565.0000 LB/H NORMAL OPERATION	BACT
		NOX	28.0000 LB/H LOW EXCESS AIR	BACT
		VOC	3.0000 LB/H EFFICIENT OPERATION	BACT
		CO	62.0000 LB/H EFFICIENT OPERATION	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 6.12

ID NUMBER TX-0036

PAGE 5- 528

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CHARCOAL

COMPANY NAME/SITE LOCATION BIG SANDY WOOD IND.

BIG SANDY, TX

UPSHUR COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. C8881

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)

JIMMY RANDALL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/03/82
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

WOOD-CHARRING PILES, 5

3.75 T/D

PM
NOX
CO

20.5000 T/YR
4.4000 T/YR
178.0000 T/YR

BACT
BACT
BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 529

ID NUMBER TX-0106

SOURCE TYPE CODE 6.13

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CARBON BLACK
 COMPANY NAME/SITE LOCATION CONTINENTAL CARBON
 5 MI SW OF SUNRAY
 SUNRAY, TX MOORE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. PSD-TX-345
 DETERMINATION MADE BY
 EPA REGION VI
 (AGENCY)
 JOHN BUNYAK
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 09/03/81
 ESTIMATED DATE OF START-UP--
 (214)-767-1594
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

PROCESS	THROUGHPUT CAPACITY	POLLUTANT EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR	2.10 T/H	SO2		BACT
DRYER	2.10 T/H	SO2		BACT
REACTOR	2.00 T/H	SO2		BACT
DRYER	2.00 T/H	SO2		BACT
FIREBOX	24.00 MMBTU/H	SO2		BACT

NOTES -----

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SITE--- CARBON BLACK

COMPANY NAME/SITE LOCATION GREAT LAKES CARBON

ALTUS, AR

FRANKLIN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-AR-271A
DETERMINATION MADE BY

EPA REGION VI
(AGENCY)

TOM DIGGS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/21/78
ESTIMATED DATE OF START-UP-- 1981
(214)-767-1594
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

INCIN.

0.42 MBTU/H

PM

6.6600 LB/H

EFFICIENT COMBUSTION

BACT

BAGHOUSE

PM

0.0200 LB/H

BAGHOUSE

BACT
99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 531

ID NUMBER AR-0006

SOURCE TYPE CODE 6.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CARBON BLACK

COMPANY NAME/SITE LOCATION PHILLIPS PETROLEUM CO.

BARTLESVILLE, OK

OSAGE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-OK-223

DETERMINATION MADE BY EPA REGION VI

(AGENCY)

TOM DIGGS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/04/80

ESTIMATED DATE OF START-UP--

(214)-767-1594

(PHONE)

PROCESSES SUBJECT

TO THIS PERMIT

THROUGHPUT

CAPACITY

NAT. GAS FIRED COMPRESSOR 5.82 MBTU/H

POLLUTANT

EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

PM 0.4000 LB/H

CO 0.2000 LB/H

0.5% S FUEL OIL
PROPER OPERATION

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 532

ID NUMBER OK-0010

SOURCE TYPE CODE 6.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CHLOROALKALI

COMPANY NAME/SITE LOCATION DIAHOND SHAHROCK CORP.
1149 ELLSWORTH DR.

PASADENA, TX 77501

HARRIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-276
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/20/80
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... BASIS
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GAS TURBINE, 3	960.00 HHBTU/H EA	NOX	403.0000 LB/H EA 0.4200 LB/HHBTU	NSPS
		CO	108.1000 LB/H EA 0.1120 LB/HHBTU	BACT
		PM	13.2000 LB/H EA 0.0140 LB/HHBTU	BACT
		SO2	0.6000 LB/H 0.0006 LB/HHBTU	NSPS
			0.6% S BY WT FUEL	
STEAM GEN., HEAT RECOVERY, 3	246.00 HHBTU/H	NOX	55.2000 LB/H EA 0.2200 LB/HHBTU	BACT
		CO	4.0800 LB/H EA 0.0170 LB/HHBTU	BACT
		PM	3.6000 LB/H EA 0.0150 LB/HHBTU	BACT
			LOW NOX BURNERS, LEA CONTRL	
			EFFICIENT COMBUSTION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

NOTES -----
MODIFIED EXISTING CHLORINE CAUSTIC BY CONSTRUCTING A 313 MW COMBINED CYCLE POWER GENERATING FACILITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0075

SOURCE TYPE CODE 6.14

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CHLOROBENZENE

COMPANY NAME/SITE LOCATION BOFORS NOBEL, INC.
5025 EVANSTON AVE.

MUSKEGON, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 615-81
DETERMINATION MADE BY MICHIGAN DNR
(AGENCY)

DATE OF PERMIT ISSUANCE-- 02/25/82
ESTIMATED DATE OF START-UP-- 1982
(517)-322-1333
(PHONE)

DANITA BRANDT
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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DCB MANUFACTURE	3.00 MHLB/YR	DCB	9.0600 UG/CU. METER DUAL ABSOLUTE FILTERS IN SERIES	99.99
DCB PACKOUT	3.00 M ³ LB/YR	DCB	3.5200 UG/CU. METER DUAL ABSOLUTE FILTERS IN SERIES	99.99

NOTES

TOTAL CONCENTRATION FROM ALL SOURCES (6 STACKS) MODELED FOR RISK ASSESSMENT ON THIS CARCINOGEN. FOUR STACKS IN MANUFACTURING PROCESS, TWO STACKS ON PACKOUT FACILITY.
INDIVIDUAL CONCENTRATIONS ARE 0.01, 3.07, 2.27, 3.71, 2.51, AND 1.01 UG/CUBIC METER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER MI-0028

SOURCE TYPE CODE 6.15

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

ETHYLENE AND POLYETHYLENE

630.00 HMLB/YR

SOURCE TYPE/SIZE---

COMPANY NAME/SITE LOCATION GULF OIL CHEMICALS

VICTORIA, TX

VICTORIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-299
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

RAGAN BROYLES
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/17/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILERS, 4 EA

49.00 MBTU/H EA

PM	0.0200 LB/MBTU OIL 0.0100 LB/MBTU GAS GAS FIRED	BACT
SO2	0.7500 LB/MBTU OIL LOW SULFUR FUEL OR GAS	BACT
NOX	0.3000 LB/MBTU OIL 0.1200 LB/MBTU GAS LOW NOX BURNERS	BACT

CATALYTIC ACTIVATORS, 2 EA

10.00 MBTU/H EA

PM	0.1000 LB/H GAS FIRED	BACT
SO2	TRACE LOW SULFUR FUEL/GAS	BACT
NOX	0.1200 LB/MBTU LOW NOX BURNERS	BACT

PREHEATERS, 2 EA

PM	TRACE GAS FIRED	BACT
SO2	TRACE LOW SULFUR FUEL/GAS	BACT
NOX	0.1000 LB/H LOW NOX BURNERS	BACT

(CONTINUED) GULF OIL CHEMICALS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CATALYTIC ACTIVATOR FILTERS, 2 *		PH	TRACE BAG FILTER	BACT 99.90
BLOW TANK FILTERS, 2 EA		PH	TRACE BAG FILTER	BACT 99.90
CATALYTIC FILTERS, 2 EA		PH	TRACE BAG FILTER	BACT 99.90
STORAGE SILOS		PH	TRACE BAG FILTERS	BACT 99.90
FLARE, 10 EA		PH	0.1000 LB/H STEAM INJECTION	BACT 99.90
		SO2	TRACE LOW SULFUR OIL (0.7%)	BACT
		NOX	2.3000 LB/H EFFICIENT DESIGN	BACT
CATALYTIC INCINERATOR		NOX	15.0000 LB/H LOW NOX BURNERS	BACT

NOTES -----
TRACE EQUALS LESS THAN ONE POUND PER HOUR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ETHYLENE AND POLYETHYLENE

COMPANY NAME/SITE LOCATION TEXAS EASTMAN CO.
P.O. BOX 7444

LONGVIEW, TX 75607

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-332
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

TOM DIGGS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/27/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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PYROLYSIS FURNACE	100.00 MBTU/H	PM	1.0000 LB/H COMBUSTION CONTROL	BACT
		CO	1.7000 LB/H COMBUSTION CONTROL	BACT
		NOX	10.0000 LB/H LOW NOX BURNERS, LEA FIRING	BACT
		SO2	0.1000 LB/H NAT. GAS/OFF GAS FIRED	BACT
PYROLYSIS FURNACE	100.00 MBTU/H	PM	1.0000 LB/H COMBUSTION CONTROL	BACT
		CO	1.7000 LB/H COMBUSTION CONTROL	BACT
		NOX	10.0000 LB/H LOW NOX FIRING, LEA FIRING	BACT
		SO2	0.1000 LB/H NAT. GAS/OFF GAS FIRED	BACT
PYROLYSIS FURNACES, 4	165.00 MBTU/H EA	PM	1.0000 LB/H EA COMBUSTION CONTROL	BACT
		CO	3.0000 LB/H EA COMBUSTION CONTROL	BACT

NOX	17.0000 LB/H	BACT
	LOW NOX BURNERS, LEA FIRING	
SO2	0.2000 LB/H	BACT
	NAT. GAS/OFF GAS FIRED	

(CONTINUED) TEXAS EASTMAN CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS HEATER	10.00 MBTU/H	PM	1.0000 LB/H COMBUSTION CONTROL	BACT
		CO	0.2000 LB/H COMBUSTION CONTROL	BACT
		NOX	1.2000 LB/H LOW NOX FIRING, LEA FIRING	BACT
		SO2	0.0100 LB/H NAT. GAS/OFF GAS FIRED	BACT
BOILERS, 2	330.00 MBTU/H	PM	14.0000 LB/H TAR 1.0000 LB/H N. GAS COMBUSTION CONTROL	BACT
		CO	4.6000 LB/H TAR 3.2000 LB/H N. GAS COMBUSTION CONTROL	BACT
		NOX	42.0000 LB/H TAR 22.8000 LB/H N. GAS LOW NOX BURNERS, LEA FIRING	BACT
		SO2	12.0000 LB/H TAR 1.0000 LB/H N. GAS 0.075% S FUEL (TAR)	BACT
PELLET STORAGE & HANDLING		PM	1.1000 LB/H BAGHOUSE	BACT 97.00

NOTES -----
 NEW ORGANIC CHEM. MFG FACILITY - LOW DENSITY POLYETHYLENE UNIT. NEW HYDROCARBON CRACKING UNIT CONSISTING OF 6 PYROLYSIS FURNACES, TWO BOILERS AND ONE PROCESS HEATER. WHEN 2 FUELS ARE FIRED SIMULTANEOUSLY, ALLOWABLE EMISSIONS (LB/HR) BY POLLUTANT SHALL BE DETERMINED BY: $E = (MBTU \text{ TAR/HR}) (LB/MBTU \text{ GAS})$. FUEL FIRING RATE FOR EACH ABOVE BOILER SHALL NOT EXCEED 7950 LB/HR PYROLYSIS TAR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0077

SOURCE TYPE CODE 6.24

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ETHYLENE AND POLYETHYLENE

270.00 MT/YR

COMPANY NAME/SITE LOCATION TEX-USS
4800 FURNACE PLACE

BELLAIRE, TX 77401

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-336
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

DATE OF PERMIT ISSUANCE-- 04/16/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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STEAM BOILER	99.00 MBTU/H	NOX	0.1100 LB/MBTU LOW NOX BURNERS	BACT
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STEAM BOILER	99.00 MBTU/H	NOX	0.1100 LB/MBTU LOW NOX BURNERS	BACT
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NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 541

ID NUMBER TX-0037

SOURCE TYPE CODE 6.24

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ETHYLBENZENE/STYRENE

900.00 MMBL/YR

COMPANY NAME/SITE LOCATION AMERICAN HOECHST

PASADENA, TX

HARRIS COUNTY

DETERMINATION IS RACT FOR A NEW SOURCE.

PERMIT NO. 5252

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)

SAM CROWTHER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/01/77
ESTIMATED DATE OF START-UP-- 1978
(512)-451-5711
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILERS, 4 & HEATERS, 6

1.20 MMBTU/H TO*

PM

15.0000 T/YR

PROC., RESIDUE, & NAT. GAS FIRED

SO2

1.1000 T/YR

PROC., RESIDUE, & NAT. GAS FIRED

NOX

569.0000 T/YR
0.1750 LB/HSTU

PROC., RESIDUE, & NAT. GAS FIRED

AP42

PROCESS VENTS

VOC

NONE
VENTED

100.00

TANKS, 10

VOC

16.0000 T/YR

INT. FLOAT COVER & WHITE PAINT

AP42

NOTES -----

FIRST TEXAS EB/STYRENE UNIT WITH NO PROCESS VENTS TO ATMOSPHERE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 542

ID NUMBER TX-0003

SOURCE TYPE CODE 6.27

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 18000.00 BBL

COMPANY NAME/SITE LOCATION CONOCO CHEMICAL CO. LIVERPOOL, TX BRAZORIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. X-3826
 DETERMINATION MADE BY TEXAS ACB
 (AGENCY) ED KASPRZYK
 (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 10/01/82
 ESTIMATED DATE OF START-UP-- 1983
 (512)-451-5711
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

STORAGE TANKS, 2 1.19 MMBBL/YR EA BEN# 1.3000 T/YR INT. FLOAT. ROOF M/DOUBLE SEALS SEAL POTS VENT TO ACTIV. CHARCOAL BEDS AP42

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0107

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FORMALDEHYDE 20000.00 GAL

COMPANY NAME/SITE LOCATION EXXON CHEMICAL AMERICAS HOUSTON, TX HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. X3753
 DETERMINATION MADE BY TEXAS ACB
 (AGENCY)
 STUART KEIL
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 09/16/82
 ESTIMATED DATE OF START-UP-- 1983
 (512)-451-5711
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

WATER TREATMENT CHEMICALS MFG UM 20000.00 GAL
 FOR*
 VOC
 STATIC SCRUBBER W/SODIUM BISULFITE SOL.
 NIL EMISSIONS

NOTES -----
 EFFICIENCY NOT DETERMINED AT THIS TIME. PROCESS CONCERNS FORMALDEHYDE STORAGE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

64400.00 LB/H INPUT

FORMALDEHYDE

SOURCE TYPE/SIZE---

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP.

CONWAY, NC

NORTHAMPTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. NC-060
DETERMINATION MADE BY

NORTH CAROLINA DEM
(AGENCY)

MIKE SEWELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/17/80
ESTIMATED DATE OF START-UP--
(919)-733-6126
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

FORMALDEHYDE PRODUCTION

VOC

10.0000 LB/H

CATALYTIC CONVERTER

BACT

95.00

CO

10.0000 LB/H

CATALYTIC CONVERTER

BACT

60.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 545

ID NUMBER NC-0008

SOURCE TYPE CODE 6.32

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FORMALDEHYDE 150.00 HMLB/YR

LEHIGH COUNTY

SOUTH WHITEHALL TOWNSHIP, PA

COMPANY NAME/SITE LOCATION INTERNAT. MINERALS & CHEMICAL CORP.

DATE OF PERMIT ISSUANCE-- 09/12/79
ESTIMATED DATE OF START-UP-- 1980
(215)-597-8186
(PHONE)

BOB BLASZCZAK
(AGENCY CONTACT PERSON)

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) 79PA10
DETERMINATION MADE BY EPA REGION III
(AGENCY)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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FORMALDEHYDE PLANT	5800.00 ACFM (70 DE#	VOC	10.1000 LB/H CATALYTIC AFTERBURNER	BACT 90.00
STORAGE TANK (FORMALDEHYDE)	150.00 MGAL	CO	2.0300 LB/H	BACT 90.00
STORAGE TANK (METHANOL)	100.00 MGAL	VOC	0.0400 LB/H VAPOR RECOVERY SYS	BACT 90.00
		VOC	0.1000 LB/H VAPOR RECOVERY SYS	BACT 90.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 546

ID NUMBER PA-0024

SOURCE TYPE CODE 6.32

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- MALEIC ANHYDRIDE 133.00 MMBB/YR

COMPANY NAME/SITE LOCATION MONSANTO CO.
P.O. BOX 12830 PENSACOLA, FL 32575 ESCAMBIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. FL-055
DETERMINATION MADE BY FLORIDA DER (AGENCY)
ED PALAGYI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/26/81
ESTIMATED DATE OF START-UP-- 1983
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

MALEIC ANHYDRIDE PRODUCTION 133.00 MMBB/YR
VOC 700.0000 LB/H
CO 670.0000 LB/H
BACT 90.00
BACT 9.00

NOTES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 547

ID NUMBER FL-0023

SOURCE TYPE CODE 6.36

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- METHANOL

COMPANY NAME/SITE LOCATION DOW CORNING CORP.

CARROLLTON, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-82-73
DETERMINATION MADE BY KENTUCKY DAPC
(AGENCY)

BILL DILLS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/23/82
ESTIMATED DATE OF START-UP--
(502)-564-3382
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

GRINDING, SCREENING, CONVEYING

PM	22.0000 T/YR	FABRIC FILTER
VOC	60.0000 T/YR	VAPOR RECOVERY
VOC	4.0000 T/YR	

PILOT PLANT, CHLOROSILANE

NOTES -----
PERMIT ONLY ALLOMS 9 LB/H , 36 T/YR VOC.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 546

ID NUMBER KY-0031

SOURCE TYPE CODE 6.37

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- METHANOL

100.00 MMGAL/YR

COMPANY NAME/SITE LOCATION GETTY METHANOL CORP.

DELAWARE CITY, DE

NEW CASTLE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 80DE01
DETERMINATION MADE BY

EPA REGION III
(AGENCY)

BOB BLASZCZAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/10/80
ESTIMATED DATE OF START-UP--
(215)-597-8186
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

TUBULAR REFORMER

1.39 MMHLB/YR

NOX

0.1300 LB/MMBTU
COEN LOW NOX BURNERS

BACT

STORAGE TANKS, METHANOL

115.00 MEBL/YR

NOX

SEE NOTES

BACT
75.00

NOTES -----
NOX CONTROLLED BY INTERNAL FLOATING ROOFS + PROPER MAINTENANCE OF STORAGE TANK SEALS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER DE-0001

SOURCE TYPE CODE 6.37

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PAINT & VARNISH 3.00 MHLB/YR

MUSKEGON, MI 49442

COMPANY NAME/SITE LOCATION SUN CHEMICAL CORP.
4925 EVANSTON AVE.

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 351-82
DETERMINATION MADE BY MICHIGAN DNR
(AGENCY)
ASAD KHAN
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/24/82
ESTIMATED DATE OF START-UP-- 1983
(517)-322-1333
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF & BASIS

AZO RED PIGMENT MANUFACTURING P# 3.00 MHLB/YR BET# 0.3300 UG/CU. METER 2 ABS FILTERS & A NET SCRUBBER BACT 99.99

NOTES --
THE ABOVE BACT LIMIT IS ALSO BASED ON GUIDELINES DEVELOPED BY THE AIR ADVISORY COMMITTEE TO THE APC COMMISSION, MICHIGAN DNR,
FOR NON-CRITERIA POLLUTANTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 550 ID NUMBER MI-0030 SOURCE TYPE CODE 6.42

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---

PHARMACEUTICAL

COMPANY NAME/SITE LOCATION ELI LILLY

GREENFIELD, IN

DETERMINATION IS BACK FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-81-7
DETERMINATION MADE BY EPA REGION V
(AGENCY)

DATE OF PERMIT ISSUANCE-- 08/04/81
ESTIMATED DATE OF START-UP-- 1985
(312)-886-6054
(PHONE)

BONIFACE THAYIL
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

COAL FIRED BOILER

123.00 #HBTU/H

PM 0.0930 LB/#HBTU
49.6000 T/YR

NOX 0.6000 LB/#HBTU
323.0000 T/YR

SO2 1.6000 LB/#HBTU 3 H AV
LOW S COAL

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 551

ID NUMBER IN-0002

SOURCE TYPE CODE 6-43

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PHARMACEUTICAL

COMPANY NAME/SITE LOCATION HEAD JOHNSON & CO.

HOUNT VERNON, IN

DETERMINATION IS BAC. FOR A NEW SOURCE.
PERMIT NO. PC(65) 1507
DETERMINATION MADE BY INDIANA APCD
(AGENCY)

DATE OF PERMIT ISSUANCE-- 03/12/82
ESTIMATED DATE OF START-UP--
(317)-633-0664
(PHONE)

FRANK PROFIT
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILERS, COAL-FIRED, 2 EA

40000.00 LB/H EA

PM

0.0300 LB/MBTU

MULTICLONE & BAGHOUSE

SO2

2.1000 LB/MBTU

MAX 1.3% SULFUR COAL

NOX

0.6500 LB/MBTU

98.60

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 552

ID NUMBER IN-0020

SOURCE TYPE CODE 6-43

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PHTHALIC ANHYDRIDE 80.00 MMLB/YR

COMPANY NAME/SITE LOCATION ASHLAND CHEMICAL CO. NEAL, WV WAYNE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 78MV02
 DETERMINATION MADE BY EPA REGION III (AGENCY)
 VERNON BUTLER
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 10/07/80
 ESTIMATED DATE OF START-UP-- 1982
 (215)-597-2711
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGH-PUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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INCINERATOR		CO	86.7000 LB/H CATALYTIC INCINERATOR	BACT 95.00
		VOC	49.3000 LB/H CATALYTIC INCINERATOR	BACT 95.00
HEATER	10.00 MMBTU/YR	SO2	16.0000 LB/H 1% SULFUR FUEL OIL	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 553

ID NUMBER WV-0002

SOURCE TYPE CODE 6.45

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- Sulfur Recovery 25.00 T/D Sulfur

COMPANY NAME/SITE LOCATION AMOCO PRODUCTION CO. ANDREWS, TX ANDREWS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 7725
 DETERMINATION MADE BY TEXAS ACB (AGENCY)
 SAM CROWTHER (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 10/16/79
 ESTIMATED DATE OF START-UP-- 1980
 (512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... BASIS ... PCT EFF

Sulfur Recov. on Nat. Gas Stream 4.00 MMSCFD GAS 502 270.0000 T/YR COLD BED ADSORPTION DESIGN 98.50

NOTES
 THIS PROCESS USES A FINAL CATALYST BED MAINTAINED AT LOW TEMP. SO THAT SULFURPRODUCED IS REMOVED FROM REACTION SYSTEM. OVERALL EQUILIBRIUM IS THUS SHIFTED SO THAT HIGHER PERCENT CONVERSIONS OF HYDROGEN SULFIDE TO SULFUR IS ACHIEVED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---		SULFUR RECOVERY	

COMPANY NAME/SITE LOCATION		SPONGE, INC.	
CLEVELAND, OH		44102	

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	
PERMIT NO. 13-958		ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY		1982	
CLEVELAND DAPC		(216)-664-3508	
(AGENCY)		(PHONE)	
IKRAM HABIB		(AGENCY CONTACT PERSON)	

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMISSION LIMITS	... & BASIS
		CONTROL EQUIPMENT OR PROCESS MODIFICATION	... PCT EFF

H2S CONVERTER, SETTLING TANK & #	180.00 GAL/H	H2S	0.0200 LB/H
			0.2600 GR/100 CF
			NA2S CONVERTED TO H2S THEN S.
			99.00

NOTES -----

H2S GAS WHICH IS EVOLVED IN SPONGE MANUFACTURING PROCESS IS REMOVED BY CAUSTIC SCRUBBERS, THE WASTE WATERS FROM WHICH CONTAIN LARGE AMOUNTS OF NA2S. SULFURIC ACID TREATMENT OF THIS WATER RE-LIBERATES H2S WHICH THE CATABAN REACTOR CONVERTS INTO ELEMENTAL SULFUR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER OH-0027

SOURCE TYPE CODE 6-52

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---		SULFUR RECOVERY		50.00 T/D	

COMPANY NAME/SITE LOCATION		TEXACO, INC. - PUGET SOUND REFINERY		ANACORTES, WA 98221	

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--		02/25/81	
PERMIT NO.		ESTIMATED DATE OF START-UP--		1983	
DETERMINATION MADE BY		(206)--336-5705		(PHONE)	
NORTHWEST APA		GLEN HALLMAN			
(AGENCY)		(AGENCY CONTACT PERSON)			

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... A BASIS	... PCT EFF
CLAUS SULFUR UNITS, 2	25.00 LT/D, EA	S02	6.4000 LB/H		
			26.0000 T/YR		
		S02	250.0000 PFH DSCF, 0% O2		
			SCOT TAIL GAS TREATING UNIT		
			INCINERATOR STACK		
				99.90	NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WA-0005

SOURCE TYPE CODE 6.52

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE) 30.00 T/H COAL

COMPANY NAME/SITE LOCATION ASHLAND SYNTHETIC FUELS, INC. BOYO COUNTY
P.O. BOX 391 ASHLAND, KY 41101

DETERMINATION IS LAER FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/28/80
PERMIT NO. PSD-KY-089 ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY KENTUCKY DAPC (502)-564-3382
(AGENCY) (PHONE)

BILL DILLS
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

COAL LIQUIFICATION PLANT 70400.00 T/YR COAL PM 82.6000 T/YR BAG HOUSES LAER 99.00
NEW
S02 93.2400 T/YR Sulfur Recovery Unit LAER 96.30
NEW

NOTES
4368 HPY OPERATION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 6.53

ID NUMBER KY-0013

PAGE 6- 557

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE) 55.00 MM

COMPANY NAME/SITE LOCATION DEPT OF WATER RESOURCES BOTTLE ROCK PROJECT , CA LAKE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. NC-79-08 EPA REGION IX (AGENCY) BOB BAKER (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 06/15/81 ESTIMATED DATE OF START-UP-- (415)-974-8220 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

GEOTHERMAL POWER PLANT 55.00 MM NET H2S 5.0000 LB/H BACT

NOTES ----- EIC PROCESS ON STEAM PRETREATMENT, STRETTFORD PROCESS FOR NON-CONDENSIBLE STREAM AND H2 O2/CATALYST FOR CONDENSATE TREATMENT. A LSO INCLUDES SURFACE CONDENSER AND TURBINE BYPASS TO PREVENT H2S

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 558

ID NUMBER CA-0005

SOURCE TYPE CODE 6.53

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (HOT OIL SHALE)
 COMPANY NAME/SITE LOCATION PACIFIC GAS & ELECTRIC CO., GEYSERS UNIT*
 , CA LAKE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. NSR 4-4-1 NC 81-02
 DETERMINATION MADE BY EPA REGION IX
 (AGENCY)
 MATT HABER
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 05/21/82
 ESTIMATED DATE OF START-UP--
 (415)-974-8209
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS ... & BASIS
 CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

POWER PLANT 110.00 MW H2S 7.5000 LB/H CATALYST SYSTEM
 STRETFORD PROC./EMISSION PLAN BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/size---	SYNFUELS/FUEL CONVERSION (NOT OIL SHALE)	110.00 MM	

COMPANY NAME/SITE LOCATION	PACIFIC GAS & ELECT. CO. GEYSERS UNIT 17	, CA	SONOMA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. NC-79-01 DETERMINATION MADE BY	EPA REGION IX (AGENCY)	BOB BAKER (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 01/08/80 ESTIMATED DATE OF START-UP-- (415)-974-8220 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

GEOTHERMAL UNIT 17	110.00 MM	H2S	0.1200 KG/H SURFACE CONDENSER/STRETTFORD PROCESS SYS
			90.00

NOTES -----
GEOTHERMAL POWER PLANT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER CA-0015

SOURCE TYPE CODE 6.53

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE) 55.00 MM
 COMPANY NAME/SITE LOCATION SACRAMENTO MUNICIPAL UTILITIES DIST. MUNICIPAL UTILITIES DISTRICT*, CA SONOMA COUNTY
 SHUDGE #1

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. NC-80-01
 DETERMINATION MADE BY EPA REGION IX (AGENCY)
 BOB BAKER (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 05/05/81
 ESTIMATED DATE OF START-UP-- (415)-974-8220 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
 GEOTHERMAL UNIT #1 0.55 MM H2S 8.0000 LB/H STRATFORD PROCESS UNIT 87.30

NOTES -----
 NON-CONDENSIBLE GAS STREAM -- STRETTFORD PROCESS UNIT -- CONDENSIBLES FROM SURFACE CONDENSER - H202/FES04 SYS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER CA-0012

SOURCE TYPE CODE 6.53

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE-- SYNTHETIC FIBERS

COMPANY NAME/SITE LOCATION GLOBE MANUFACTURING CO.

GASTONIA, NC

GASTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 2106R4

DETERMINATION MADE BY

NORTH CAROLINA DEM

(AGENCY)

MIKE SEWELL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/01/83

ESTIMATED DATE OF START-UP-- 1983

(918)-733-7015

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

ELASTIC FIBER EXTRUDING LINES

425.00 LB/H

VOC

75.0000 % ANNUAL AV RED.

2 CARBON BED ADSORB. UNITS

78.00

NOTES

THERE NO ECONOMICALLY IDENTIFIABLE CONTROL OPTIONS TO IMPROVE SOLVENT RECOVERY FROM THIS TYPE PROCESS. THEREFORE, THE CARBON A DSORPTION SYSTEM WITH AN ANNUAL AVERAGE VOC REDUCTION OF 75% IS REPRESENTATIVE OF BACT. THIS SOURCE CONSIST OF FOUR EXTRUDING LINES OF 8 CARBON BED UNITS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 562

ID NUMBER NC-0028

SOURCE TYPE CODE 6.54

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SYNTHETIC RUBBER/RUBBER TIRES

COMPANY NAME/SITE LOCATION B.F. GOODRICH

HENRY, IL

MARSHALL COUNTY

DETERMINATION IS BACK FOR A NEW SOURCE.
PERMIT NO. 82 03 0046
DETERMINATION MADE BY ILLINOIS EPA
(AGENCY)

CHRIS ROMAINE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/16/82
ESTIMATED DATE OF START-UP--
(217)-782-2113
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER

150.00 MMTU/H

PM	0.0600 LB/MMBTU	CYCLONE & BAGHOUSE	99.00
SO2	1.2000 LB/MMBTU	FLUIDIZED LIMESTONE BED	NSPS
NOX	0.6000 LB/MMBTU	EQUIPMENT DESIGN	65.00
CO	400.0000 PPM	EQUIPMENT DESIGN	NSPS

NOTES -----
CO EMISSION IS SUBJECT TO REVISION BASED UPON RESULTS OF TRIAL OPERATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER IL-0021

SOURCE TYPE CODE 6.55

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SYNTHETIC RUBBER/RUBBER TIRES 27700.00 LB/H INPUT

COMPANY NAME/SITE LOCATION FIRESTONE TIRE CO. WILSON, NC

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. NC-024
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)
MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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TIRE PROCESS LINES	27700.00 LB/H	PM	11.1000 LB/H BAGHOUSE AND CYCLONE	BACT 90.00
BOILER		SO2	106.0000 LB/H 1.0% SULFUR OIL	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 81000.00 LB/H EDC

COMPANY NAME/SITE LOCATION B.F. GOODRICH MAY. 1523 CALVERT CITY, KY 42029 MARSHALL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. KY 149 DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 02/06/81 ESTIMATED DATE OF START-UP-- 1982 (502)-564-3362 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... FCT EFF

EDC/VCM MANUFACTURING 81000.00 LB/H EDC VC 10.0000 PPM INCINERATOR NOX 0.2300 LB/H*STU FIREBOX DESIGN/LIM. EXCESS AIR NESH 99.00 BACT

NOTES -----
BASED ON NESHAP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 565

ID NUMBER KY-0014

SOURCE TYPE CODE 6.59

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 404.00 MHLB/YR PVC
 COMPANY NAME/SITE LOCATION B.F. GOODRICH CHEMICAL PEDRICKTOWN, NJ 08067 SALEH COUNTY
 RT 130 -- FORCUPINE RD.

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. DATE OF PERMIT ISSUANCE-- 07/25/80
 DETERMINATION MADE BY EPA REGION II ESTIMATED DATE OF START-UP-- 1981
 (AGENCY) LARRY KARAS (212)-264-9538
 (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 404.00 HMLB/YR

COMPANY NAME/SITE LOCATION B.F. GOODRICH CHEMICAL PEDRICKTOWN, NJ

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. EPA REGION II
 DETERMINATION MADE BY (AGENCY) PETER FLYNN (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 10/06/82
 ESTIMATED DATE OF START-UP-- (609)-264-2611 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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SUSPENSION RESIN PRODUCTION LINE	260.00 HMLB/YR	VC	400.0000 PPM DAILY AV 25.0000 PPM, ANNUAL AVG STEAM STRIPPING	
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MONOMER RECOVERY		VC	10.0000 PPM SOLVENT ABSORB. SYS/BACKUP INCIN.	
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REACTOR OPENING LOSS		VC	0.0200 G/KG STEAM STRIPPING CLOSED POLYTECHNOLOGY	
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DISPERSION RESIN LINE	96.00 HMLB/H	VC	1350.0000 PPM/YR AV 2000.0000 PPM/D AV STEAM STRIPPING	
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DRYER FACILITY		PH	0.0200 GR/SCF BAGHOUSE	SIP
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(CONTINUED) B.F. GOODRICH CHEMICAL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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RELIEF VALVE DISCHARGE

VC

COMPUTER REACTION CONTROLLER

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER NJ-0005A

SOURCE TYPE CODE 6.59

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 275000.00 T/YR

COMPANY NAME/SITE LOCATION B.F. GOODRICH CO.

CALVERT CITY, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. C-62-65

DETERMINATION MADE BY

KENTUCKY EPA

(AGENCY)

BILL DILLS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/27/82

ESTIMATED DATE OF START-UP--

(502)-564-3382

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLUID BED DRYERS, 2	100000.00 LB/H	PM	4.4500 LB/H 18.7400 T/YR WET SCRUBBER	BACT 99.90
PVC STORAGE SILOS, 4	439000.00 T/YR	PM	1.8400 LB/H 2.5900 T/YR	BACT
BULK PVC STORAGE SILOS, 8	564000.00 T/YR	PM	4.2900 LB/H 1.5900 T/YR	BACT
REACTOR OPENING VENT	275000.00 T/YR	VCM	20.0000 LB/HMLB PVC	BACT
BLEND TANKS, 3		VCM	0.0400 LB/H 27.5000 T/YR	BACT
PLANT FUGITIVES		VCM	27.5000 T/YR	BACT

NOTES -----
INCINERATOR NOT USED UNDER PERMIT # C-62-65.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER KY-0021

SOURCE TYPE CODE 6.59

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 957.00 MT/YR

COMPANY NAME/SITE LOCATION FORMOSA PLASTICS POINT COMFORT, TX CALHOUN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. (REGION FILE NO.) PSD-TX-226
 DETERMINATION MADE BY EPA REGION VI
 (AGENCY)
 TOM DIGGS
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 11/18/81
 ESTIMATED DATE OF START-UP--
 (214)-767-1594
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, 5 EA	60.00 MTBTU/H	NOX	0.1100 LB/MTBTU	LOW NOX BURNERS	BACT
		VOC	0.0029 LB/MTBTU	FLUE GAS O2 CONTROL	BACT
HEATERS, 2	21.00 MTBTU/H EA	NOX	0.1800 LB/MTBTU	LOW NOX BURNERS	BACT
		VOC	0.0040 LB/MTBTU	FLUE GAS O2 CONTROL	BACT
INCIN., 2	22.00 MTBTU/H EA	NOX	0.1200 LB/MTBTU	LOW NOX BURNERS	BACT
		VOC	0.0200 LB/MTBTU	FLUE GAS O2 CONTROL	BACT
EPC CRACKERS	57.00 MTBTU/H	NOX	0.1500 LB/MTBTU	LOW NOX BURNERS	BACT
		VOC	0.0029 LB/MTBTU	FLUE GAS O2 CONTROL	BACT

(CONTINUED) FORMOSA PLASTICS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PVC DRYERS		VOC	21.0000 LB/H 400 PPM VCM IN PVC SLURRY	BACT
COOLING TOWER		VOC	0.1800 LB/H SAMPL. H2O FOR VCM/5PPB HC LIM	BACT
VALVES		VOC	2.1000 LB/H MAINTENANCE PROGRAM	BACT
FLANGES		VOC	2.1400 LB/H MAINTENANCE PROGRAM	BACT
PUMPS		VOC	0.1400 LB/H DOUB. MECH. SEALS & INCIN	BACT
COMPRESSOR		VOC	0.0900 LB/H DOUB. MECH. SEALS & INCIN	BACT
STARTUP/SHUTDOWN		VOC	0.1100 LB/H COMPLIANCE FROM NESHAPS	BACT
WATER TREATMENT		VOC	0.1100 LB/H STEAM STRIP WASTEWATER	BACT
GAS HOLDER I		VOC	0.0400 LB/H PURGE TO BOILER/INCIN	BACT
GAS HOLDER II		VOC	0.0020 LB/H PURGE TO BOILER/INCIN	BACT

NOTES -----

1.2) INDICATED DATES WAS TRUNCATED FOR THIS TABLE.

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IN 1973 TO 1974-1975

SOURCE TYPE CODE 0.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---
VINYL CHLORIDE/POLYVINYL CHLORIDE
350.00 MT/YR

COMPANY NAME/SITE LOCATION
SHINLOCH, INC.
5618 HIGHWAY 352 EAST
FREEPORT, TX 77541

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-327
DETERMINATION MADE BY EPA REGION VI
(AGENCY)
JOE WINKLER
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/05/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STEAM BOILER	55.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURNERS	BACT
STEAM BOILER	55.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURNERS	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---
VINYL CHLORIDE/POLYVINYL CHLORIDE
350.00 MT/YR

COMPANY NAME/SITE LOCATION SHINTECH, INC.

FREEPORT, TX

BRAZORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-TX-285
DETERMINATION MADE BY EPA REGION VI
(AGENCY)
JOHN BUNYAK
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/17/80
ESTIMATED DATE OF START-UP-- 1981
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER STACKS, 2		PH	1.8000 LB/H EA	
REACTOR VENT FAN		PH		
PNEUMATIC VENTS, 7		PH	1.0600 LB/H EA	
INCIN. STACKS, 2		PH		
BOILER, 2	55.00 MMBTU/H EA	PH	0.3000 LB/H	
FUGITIVES		PH		

NOTES -----

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0079

SOURCE TYPE CODE 6.59

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 40.00 MMGAL/YR

COMPANY NAME/SITE LOCATION AM. MODERN FOOD ENERGY SYS

AMES, IA

STORY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. DETERMINATION MADE BY EPA REGION VII (AGENCY)

DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/15/81
ESTIMATED DATE OF START-UP--
(816)-374-6525
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... BASIS ... PCT EFF
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BOILER, PULV. COAL	150.00 MMBTU/H	SO2	2.0000 LB/MMBTU LOW SULFUR WESTERN COAL	BACT
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		NOX	0.7000 LB/MMBTU LOW EXCESS AIR, STAGED BURN	BACT
--	--	-----	---	------

		PH	0.0300 LB/MMBTU FABRIC FILTER	NOTE
--	--	----	-------------------------------	------

TWO BOILERS, OIL/GAS	94.50 MMBTU/H EA	SO2	0.5000 LB/MMBTU #2 FUEL OIL (IF NO NAT. GAS)	BACT
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		NOX	0.2500 LB/MMBTU OIL	BACT
--	--	-----	---------------------	------

		PH	0.0300 LB/MMBTU FABRIC FILTER	NOTE
--	--	----	-------------------------------	------

MISCELLANEOUS BAGHOUSES

		PH	0.0011 6/SCF	
--	--	----	--------------	--

NOTES

THE PLANT'S STEAM PRODUCTION CAPACITY IS 275000 LB/HR. THE PERMITS LIMITS S TEAM PROO. TO 165000 LB/HR. BECAUSE AMFFES'S MODEL ING STUDIES WERE BASED ON THI S LEVEL OF OPERATION. THE P.M. LIMITS ARE NOT BACT. THE LIMITS WERE IMPOSED BECAUSE THE APP LICANT BASED A P.M. NON-APPLICABILITY DETERMINATION ON THIS EMISSION RATE. PERMIT AMENDED 05/15/81.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 10.20 MMGAL/YR

COMPANY NAME/SITE LOCATION CONSOLIDATED ENERGY GROUP, LTD. GOMRIE, IA WEBSTER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 11/13/81
 PERMIT NO. ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY EPA REGION VII CHARLES WHITMORE (816)-374-6525
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER, COAL FIRED, STOKER	113.00 MMBTU/H	SO2	2.0000 LB/MMBTU LOW SULFUR COAL	BACT
		NOX	0.6000 LB/MMBTU	BACT
		PM	DESIGN FEATURES STAGED COMBUST. STOKER FEEDER 0.0300 LB/MMBTU 14,9000 T/YR BAGHOUSE	BACT
COAL HANDLING		PM	1.1200 T/YR DUST SUPPRESSANT	BACT
GRAIN HANDLING		PM	4.2200 T/YR FABRIC FILTER	BACT
DOGS VENT		PM	35.0400 T/YR EXPANSION CHAMBER	BACT

(CONTINUED) CONSOLIDATED ENERGY GROUP, LTD.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ENTIRE FACILITY

VOC	115.0000 T/YR	BACT
SCRUBBERS, FLOATING ROOF		

NOTES -----
8760 HOURS/YR OPERATION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER IA-0005

SOURCE TYPE CODE 6.61

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION

COMPANY NAME/SITE LOCATION DUPONT

WHITE RIVER TOWNSHIP, MI

MUSKEGON COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 756-79
DETERMINATION MADE BY MICHIGAN DNR
(AGENCY)

DANITA BRANDT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/15/80
ESTIMATED DATE OF START-UP-- 1980
(517)-302-1333
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

FREON 22 MFG

VOC 205.0000 LB/H
NO VISIBLE CONTROLS

NOTES -----
FREON 23 HAS LOW REACTIVITY

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER MI-0010

SOURCE TYPE CODE 6.61

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- 23.00 MMGAL/YR ETHENOL

COMPANY NAME/SITE LOCATION MAPEE ALCOHOL FUEL, INC. CACTUS, TX MOORE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-374
DETERMINATION MADE BY EPA REGION VI
(AGENCY)
TOM DIGGS
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/27/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

POLLUTANT
EMITTED

THROUGHPUT
CAPACITY

PROCESS STM GEN, COAL FIRED	174.10 MMBTU/H	PH	0.0370 LB/MMBTU	FABRIC FILTERS	BACT
		NOX	0.7000 LB/MMBTU	LOW EXCESS AIR	BACT
		SO2	0.6800 LB/MMBTU	LOW EXCESS AIR	BACT
AUXILIARY BOILER, NAT. GAS	35.00 MMBTU/H	PH	0.0100 LB/MMBTU	USE OF NAT. GAS FUEL	BACT
		NOX	0.0006 LB/MMBTU	LOW EXCESS AIR	BACT
		SO2	0.0006 LB/MMBTU	USE OF NAT. GAS FUEL	BACT
DRYERS, 2 NAT. GAS FIRED	31.40 MMBTU/H EA	PH	0.1800 LB/MMBTU	2 CYCLONES IN SERIES	BACT
		NOX	0.1100 LB/MMBTU	LOW EXCESS AIR	85.00 BACT
		SO2	0.0006 LB/MMBTU	USE OF NATURAL GAS AS FUEL	BACT

(CONTINUED) MAPEE ALCOHOL FUEL, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
3 GRAIN CONVERGING POINTS		PM	0.0030 LB/H EA BAG FILTERS	BACT 99.90
TRANSFER OF MILO		PM	0.0440 LB/H BAG FILTERS	BACT 99.90
MILO INLOADING & HANDLING		PM	0.6600 LB/H BAG FILTERS	BACT 99.90
GRAIN CONVEY, STORAGE TO TRUCK		PM	0.0200 LB/H BAG FILTERS	BACT 99.90
GRAIN PELLET CONVEY TO RR CAR		PM	0.0960 LB/H CYCLONE	BACT 99.50
GRAIN PELLET CONVEY TO COOLER		PM	0.2300 LB/H CYCLONE	BACT 99.50
4 MILLING OF MILO POINTS		PM	1.1000 LB/H EA BAG FILTER	BACT 99.90
2 TRANSFER OF MILO POINTS		PM	0.1600 LB/H EA BAG FILTER	BACT 99.90
2 H2SO4 STORAGE TANKS		SO2	0.0400 LB/H EA SINGLE VENT W/DESCATOR	BACT
TRUCK LOADING OF BOILER ASH		PM	6.3000 LB/H BAG FILTER	BACT 99.50

(CONTINUED) MAPEE ALCOHOL FUEL, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TRANSFER OF ASH		PM	0.3200 LB/H BAG FILTER	BACT 99.50
COAL UNLOAD		PM	0.3000 LB/H BAG FILTER	BACT 99.90
COAL HANDLING #1		PM	0.6000 LB/H BAG FILTER	BACT 99.90
COAL HANDLING #2		PM	0.0520 LB/H BAG FILTER	BACT 99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0024

SOURCE TYPE CODE 6.61

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

10.00 MTGAL/YR

ALCOHOL FUEL PRODUCTION

SOURCE TYPE/SIZE---

COMPANY NAME/SITE LOCATION NEBRASKA ALCOHOL FUEL CORP.
84TH & FLETCHER

LINCOLN, NE

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY NEBRASKA DEC
(AGENCY)

GENE ROBINSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/21/82
ESTIMATED DATE OF START-UP--
(402)-471-2189
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS ... & BASIS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

BOILER

66.35 MTBTU/H

SO2 1.1600 LB/MTBTU
LOW S FUEL
PH 0.0500 LB/MTBTU
NO2 0.5000 LB/MTBTU
FABRIC FILTER
BOILER DESIGN

99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 501

ID NUMBER NE-0005

SOURCE TYPE CODE 6.61

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION

COMPANY NAME/SITE LOCATION NEW ENERGY CORP.

SOUTH BEND, IN

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. EPA-5-A-82-1

DETERMINATION MADE BY EPA REGION V

(AGENCY)

BONIFACE THAYIL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/03/81

ESTIMATED DATE OF START-UP-- 1984

(312)-886-6054

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

COAL-FIRED BOILER

342.60 MMBTU/H

SO2

1.2000 LB/MMBTU 3 H AV
0.75% SULFUR COAL

NOX

0.7000 LB/MMBTU

PM

0.0300 LB/MMBTU

BAGHOUSE

LAER

99.70

OIL-FIRED BOILER

176.00 MMBTU/H

SO2

0.3100 LB/MMBTU

PM

MAX 0.3% SULFUR OIL

NOX

0.0200 LB/MMBTU
0.6000 LB/MMBTU

LAER

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER IN-0001

SOURCE TYPE CODE 6.61

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION

COMPANY NAME/SITE LOCATION PEAT METHANOL ASSOCIATES

NEAR CRESWELL, NC

WASHINGTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 4930

DETERMINATION MADE BY

NORTH CAROLINA DEM
(AGENCY)

MIKE SEWELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/07/82
ESTIMATED DATE OF START-UP-- 1985
(919)-733-6126
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

PEAT DRYER

52.50 MBTU/H

PM

3.2000 LB/H

CYCLONE/ESP

SO2

10.7000 LB/H
0.2000 LB/MBTU

.26% LOW S PEAT

98.80

PEAT BOILER

300.00 MBTU/H

PM

9.7000 LB/H
0.0330 LB/MBTU

BAGFILTER

SO2

153.0000 LB/H
0.5100 LB/MBTU

.26% LOW S PEAT

98.00

SULFUR RECOVERY

SO2

23.0000 LB/H

CLAUS/SCOT PLANT

99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER NC-0024

SOURCE TYPE CODE 6.61

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 20.00 MTGAL/YR

COMPANY NAME/SITE LOCATION ROCK ISLAND LIQUID FUELS, INC. ROCK ISLAND, IL ROCK ISLAND COUNTY

DETERMINATION IS FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/01/82
 PERMIT NO. 81100017 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY ILLINOIS EPA (217)-782-2113
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

GRAIN HANDLING & STORAGE 8.00 MTBU/YR CORN PH 4.5300 LB/H

DISTILLATION ETHANOL STORAGE VOC 2.1600 LB/H

NAT. GAS FIRED BOILER NOX 4.5000 LB/H
 CO 0.4300 LB/H
 SO2 0.0200 LB/H

NOTES -----
 NON-MAJOR PROJECT DEEMED CONTROVERSIAL DUE TO PUBLIC INTEREST. PUBLIC HEARING HELD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---	OTHER CHEMICAL	88000.00 T/YR

COMPANY NAME/SITE LOCATION	AIRCO CARBIDE, DIV. OF AIRCO, INC.	CALVERT CITY, KY

DETERMINATION IS	FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE-- 09/06/80
PERMIT NO. C-88-28		ESTIMATED DATE OF START-UP-- 1981
DETERMINATION MADE BY	KENTUCKY DAPC	(502)-564-3382
	(AGENCY)	(PHONE)

PROCESSES SUBJECT	THROUGHPUT	EMISSION LIMITS
TO THIS PERMIT	CAPACITY	CONTROL EQUIPMENT OR PROCESS MODIFICATION
		... & BASIS
		... PCT EFF

ELECTRIC ARC FURNACE	88000.00 T/YR	PH
		PROCESS LIMITED

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER KY-0022

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 15900.00 T/YR

COMPANY NAME/SITE LOCATION AIRCO SPEER ST. MARY'S, PA ELK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 80P/06
 DETERMINATION MADE BY EPA REGION III (AGENCY)
 VERNON BUTLER (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 05/20/81
 ESTIMATED DATE OF START-UP-- 1981
 (215)-597-2711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

GRAPHITIZING FURNACE 15.90 MT/YR PH 18.3000 LB/H INCINERATION (AFTER BURNER) BACT
 S02 30.5000 LB/H BACT
 CO 545.0000 LB/H BACT
 H2S 5.3000 LB/H BACT
 S02 55.5000 LB/H BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION AIRCO SPEER

ST. MARY'S, PA

ELK COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 79-PA-26

DETERMINATION MADE BY

EPA REGION III

(AGENCY)

VERNON BUTLER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/15/80

ESTIMATED DATE OF START-UP-- 1980

(215)-597-2711

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

COKE BURNING KILN, 2

75.00 MLB/H

PM

1.7400 LB/H

BAGHOUSE/INCINERATOR

BACT

SO2

0.4400 LB/H

BAGHOUSE/INCINERATOR

BACT

CO

0.0800 LB/H

% SULFUR IN COKE

BACT

KILN, 2

75.00 MLB/H

PM

1.7400 LB/H

BAGHOUSE/INCINERATOR

BACT

SO2

0.4400 LB/H

BAGHOUSE/INCINERATOR

BACT

CO

0.0800 LB/H

% SULFUR IN COKE

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 587

ID NUMBER PA-0008

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION AIRCO SPEER CARBON GRAPHITE

LA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. LA-283

DETERMINATION MADE BY EPA REGION VI (AGENCY)

JOHN BUNYAK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/05/80
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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DUST COLLECTOR Q.C. & I. LAB.

PM 0.2100 LB/H BAGFILTERS

BACT 99.00

DUST COLLECTOR, MAINTENANCE AND*

PM 0.1300 LB/H BAGFILTERS

BACT 99.00

DUST COLLECTOR, PROCESS MATERIA*

3.10 HMBTU/H

PM 1.2900 LB/H BAGFILTER
CO 0.0500 LB/H NONE

BACT 99.80
BACT

DUST COLLECTOR, PROCESS MATERIA*

PM 1.0300 LB/H BAGFILTER

BACT 99.90

SILO VENT FILTER, PROCESS MATER*

PM 0.0700 LB/H EA BAGFILTER

BACT 99.90

(CONTINUED) AIRCO SPEER CARBON GRAPHITE

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DUST COLLECTOR, FINISHING & SHI*		PM	1.2900 LB/H BAGFILTER	BACT 99.80
CONDENSER, PRIMARY PITCH TANKS *		PM	0.0400 LB/H EA CONDENSER VAPOR RECOVERY	BACT 99.00
PREHEATER COMBUSTION STACKS P.I.*	0.40 M ³ BTU/H EA	PM	TRACE EA NONE	BACT
		SO2	TRACE EA NONE	BACT
		CO	TRACE EA NONE	BACT
		H2S	TRACE EA NONE	BACT
CONDENSER, SECONDARY PITCH TANK*		PM	0.0100 LB/H EA VAPOR RECOVERY	BACT 99.00
DUST COLLECTOR MILL, MIX AND EX*		PM	1.3700 LB/H EA BAGFILTER	BACT 99.80
DUST COLLECTOR MILL, MIX AND EX*		PM	0.6900 LB/H BAGFILTER	BACT 99.80
SILLO VENT FILTER MILL, MIX & EX*		PM	0.0500 LB/H EA BAGFILTER	BACT 99.00
CONDENSER, PRIMARY PITCH TANK MI*		PM	0.0400 LB/H EA VAPOR RECOVERY	BACT 99.00

(CONTINUED) AIRCO SPEER CARBON GRAPHITE

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONDENSER PRIMARY TAR TANK MILL*		PM	0.0500 LB/H VAPOR RECOVERY	BACT 99.00
SCRAP CRUSHINGS		PM	1.3700 LB/H BAGFILTER	BACT 99.80
LOAD - UNLOAD		PM	0.6900 LB/H BAGFILTER	BACT 99.80
LOAD - UNLOAD, 4		PM	1.3700 LB/H EA BAGFILTER	BACT 99.80
CARBOTTOM BAKING, 4	136.00 MBTU/H EA	PM	17.8000 LB/H EA INCIN.	BACT
		SO2	45.1300 LB/H EA 0.7% S OIL	BACT
		CO	0.4700 LB/H EA NONE	BACT
SIDEBLOCK MFS.		PM	1.3700 LB/H BAGFILTER	BACT 99.70
SILO VENT FILTER GRAPHITIZING, *		PM	0.0700 LB/H EA BAGFILTER	BACT 99.00
MONITOR GRAPHITIZING, 4		PM	18.5000 LB/H EA NONE	BACT
		SO2	44.3100 LB/H EA 0.8% S COKE & ELECTRODES	BACT
		CO	1348.3000 LB/H NONE	BACT
		H2S	46.0600 LB/H EA 0.8% S COKE & ELECTRODES	BACT

(CONTINUED) AIRCO SPEER CARBON GRAPHITE

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STACK GRAPHITIZING, 4				
		SO2	81.0900 LB/H EA	BACT
		CO	0.6% S COKE & ELECTRODES 6.6500 LB/H EA	BACT
		H2S	NONE 15.3500 LB/H EA	BACT
			0.6% S COKE & ELECTRODES	
CALCINER BOILER, GAS, OIL	56.20 MBTU/H	PM	5.7000 LB/H	BACT
			NONE	
		SO2	171.6000 LB/H	BACT
		CO	0.7% S OIL 5.7000 LB/H	BACT
			WASTE HEAT BOILERS	
COKER, OIL/GAS	71.60 MBTU/H	PM	4.4000 LB/H	BACT
			NONE	
		SO2	62.8600 LB/H	BACT
		CO	0.7% S OIL 2.2000 LB/H	BACT
			WASTE HEAT BOILER	
FURNACE, NAT. GAS	2.20 MBTU/H	PM	0.1100 LB/H	BACT
			NONE	
		SO2	0.6300 LB/H	BACT
		CO	NONE 0.1100 LB/H	BACT
			NONE	

NOTES -----
MFG GRAPHITE ELECTRODES FOR USE IN ELECTRIC ARC FURNACES FOR THE STEEL INDUSTRY. RAW MATERIALS INCLUDE: LIQUID PITCH, OIL, NAT
URAL GAS, BINDERS, SAND, & VARIOUS ADITIVES. TRACE EQUALS LESS THAN 0.01 LB/HR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER LA-0016

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION ALLIED CHEMICAL

SCOTLANDVILLE, LA

EAST BATON ROUGE PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-104
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

TOM DIGGS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/21/80
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER

131.00 MBTU/H

PM	0.0015	LB/MBTU	LIMESTONE SCRUBBER	BACT
SO2	0.0740	LB/MBTU	LOW SULFUR OIL (.7 %)	99.00 BACT
NOX	0.3000	LB/MBTU	LOW EXCESS AIR	BACT
VOC	0.0064	LB/MBTU	EFFICIENT COMBUSTION	BACT

REGENERATION HEATER

4.00 MBTU/H

PM	0.0190	LB/MBTU	EFFICIENT COMBUSTION	BACT
SO2	0.0023	LB/MBTU	LOW SULFUR OIL (.7 %)	BACT
NOX	0.2000	LB/MBTU	LOW EXCESS AIR	BACT
VOC	0.0003	LB/MBTU	EFFICIENT COMBUSTION	BACT

CATALYST ACTIVATOR

PM	0.1200	LB/H	MAINTENANCE PROGRAM	BACT
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(CONTINUED) ALLIED CHEMICAL					... BASIS	
PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	...	PCT EFF	
CATALYST ACTIVATOR VENT		PM	0.1400 LB/H			BACT
PURGE FLARE		VOC	0.5300 LB/H STEAM INJECTION			BACT
POWDER BLOWER		PM	3.0000 LB/H MAINTENANCE PROGRAM			BACT
FEED BLOWER		PM	3.0000 LB/H MAINTENANCE PROGRAM			BACT
FEED BLOWER		PM	3.0000 LB/H MAINTENANCE PROGRAM			BACT
BLENDER BLOWER		PM	3.0000 LB/H MAINTENANCE PROGRAM			BACT
BLENDER BLOWER		PM	3.0000 LB/H MAINTENANCE PROGRAM			BACT
PELLET BLOWER		PM	3.0000 LB/H MAINTENANCE PROGRAM			BACT
TRANSFER BLOWER		PM	3.0000 LB/H MAINTENANCE PROGRAM			BACT
FUGATIVES		VOC	6.3000 LB/H CHECK ONCE PER MONTH			BACT

NOTES -----

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE-- OTHER CHEMICAL 220.00 MHLB/YR
 COMPANY NAME/SITE LOCATION AMERICAN HOECHST PASADENA, TX HARRIS COUNTY

DETERMINATION IS BAC. FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 07/01/77
 PERMIT NO. 5264 ESTIMATED DATE OF START-UP-- 1980
 DETERMINATION MADE BY TEXAS ACB (512)-451-5711
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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STORAGE TANKS		VOC	0.5500 T/YR CONDENSOR & CARBON ABSORBER	AP42 90.00
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STORAGE BINS		PM	2.3000 T/YR 350.0000 UG/CU. M CYCLONES	TECH
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PROCESS VENTS		VOC	NONE VENTED TO FUEL SYSTEM OR FLARE	
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NOTES -----
 FIRST TEXAS POLYETHYLENE PLANT WITH NO PROCESS VENTS TO ATMOSPHERE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL-----

COMPANY NAME/SITE LOCATION ARCHER DANIELS MIDLAND PEORIA, IL PEORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 81 07 0035
 DETERMINATION MADE BY ILLINOIS EPA
 (AGENCY) CHRIS ROMAINE
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 05/28/82
 ESTIMATED DATE OF START-UP-- 1982
 (217)-782-2113
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	90.00 MBTU/H	NOX	0.1700 LB/MBTU EQUIPMENT DESIGN	
BYPRODUCT DRYER	30.00 T/H	NOX	0.1600 LB/MBTU EQUIPMENT DESIGN	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 505 ID NUMBER IL-0020 SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION ARKANSAS EASTMAN

BATESVILLE, AR

INDEPENDENCE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-AR-311
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

DATE OF PERMIT ISSUANCE-- 03/27/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

JOHN BURYAK
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER, COAL-FIRED

193.00 MMBTU/H

PM

0.0600 LB/MMBTU

BACT

SO2

1.6000 LB/MMBTU

BACT

NOX

0.6000 LB/MMBTU

BACT

COAL HANDLING SYS

PM

1.0000 LB/H

BACT

EXISTING CONTROL EQUIP.
COVERS, VENTS AND SFRAYING

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 5%

ID NUMBER AR-0002

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION BASF-WYANDOTTE P.O. BOX 181 PARSIPPANY, LA 07054

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. DETERMINATION MADE BY EPA REGION VI (AGENCY)
 JOE WINKLER (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 03/27/81
 ESTIMATED DATE OF START-UP-- (214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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STEAM BOILER	303.00 HMBTU/H	NOX	36.4000 LB/H 0.1200 LB/HMBTU LOW NOX BURNER	BACT
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NOTES -----
 NATURAL GAS USED AS FUEL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER LA-0014

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 5500.00 MMBL/YR (SEE NOTE)

COMPANY NAME/SITE LOCATION B.F. GOODRICH CHEMICAL GROUP

CONVENT, LA

ST. JAMES PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-326
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

BILL TAYLOR
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/24/80
ESTIMATED DATE OF START-UP-- 1983
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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EDC CRACKING FURNACES 98.00 MTBTU/H EA

PH	0.0110 LB/MTBTU	NATURAL GAS AS FUEL	BACT
SO2	0.0006 LB/MTBTU	NATURAL GAS AS FUEL	BACT
NOX	0.1400 LB/MTBTU	NATURAL GAS AS FUEL	BACT
		LOW NOX BURNER	
CO	0.0180 LB/MTBTU	STAGED BURN + LOW FLAME TEMP.	BACT
		O2 FLUE GAS MONITORING	

PVC SILOS, 52 EA 150.00 MTBTU/H

PH	6.1600 LB/H	MULTI-COMPARTMENT BAGHOUSE	BACT
NOX	0.4700 LB/MTBTU	O2 FLUE GAS MONITORING	99.70 BACT
CO	0.0090 LB/MTBTU	O2 FLUE GAS MONITORING	BACT

WASTE GAS INCIN. 24.00 MTBTU/H

NOX	0.4900 LB/MTBTU	O2 FLUE GAS MONITORING	BACT
CO	0.0010 LB/MTBTU	FLUE GAS MONITORING	BACT
PH	4.5600 LB/H		BACT

CYCLONE SEPERATOR + NET SCRUB.
BOTH DEVICES RECYCLED

99.70

(CONTINUED) B.F. GOODRICH CHEMICAL GROUP

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	330.00 MTBTU/H	PM	0.0150 LB/MTBTU BAGHOUSE, MULTI-COMPARTMENT	BACT 99.70
		SO2	0.3300 LB/MTBTU FLUE GAS DESULFURIZATION	BACT 96.00
		NOX	0.7000 LB/MTBTU BOILER DESIGN	NSPS
		CO	0.0800 LB/MTBTU HIGH EXCESS AIR	BACT

NOTES

4 EDC CRACKING FURNACES (NATURAL GAS FIRED), 52 PVC SILOS WASTE GAS INCINERATOR, WASTE GAS INCINERATOR, AND 4 PVC DRYERS USING STEAM PRODUCED BY A COAL-FIRED SPREADER STOKER BOILER. EDC - 2700 MTLB/YR, VCH - 1700 MTLB/YR, PVC -1100 MM LB/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION B.F. GOODRICH CO.

AVON LAKE, OH

LORAIN COUNTY

DETERMINATION IS B/L
PERMIT NO. 1947030004
DETERMINATION MADE BY

OHIO EPA NED
(AGENCY)

DENNIS BUSH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/30/81
ESTIMATED DATE OF START-UP-- 1983
(216)-425-9171
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

COAL FIRED BOILER

238.00 MMBTU/H

S02

1.2000 LB/MMBTU
1250.0000 T/YR

LAER

CO

0.1900 LB/MMBTU
200.0000 T/YR
FLUIDIZED BED COMBUSTION

90.00
BACT

NOX

0.7000 LB/MMBTU
730.0000 T/YR
COMBUSTION CONTROL

BACT

PM

0.0600 LB/MMBTU
63.0000 T/YR
COMBUSTION CONTROL

BACT

FABRIC FILTER

99.00

NOTES -----

INTERNAL OFFSETS FOR S02 PROVIDED BY REDUCING SULFUR CONTENT OF COAL USED IN EXISTING BOILERS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 601

ID NUMBER OH-0023

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 152.30 MMBTU/H

COMPANY NAME/SITE LOCATION B.F. GOODRICH, CHEMICAL DIV
BULLS LANE LOUISVILLE, KY JEFFERSON COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 02/28/80
PERMIT NO. KG-091 ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY KENTUCKY DAPC (502)-597-3327
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS ... & BASIS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

COAL FIRED BOILER PH 0.0300 LB/MMBTU 98.60
BAGHOUSE 1.0000 LB/MMBTU 85.00
LOW S COAL

NOTES -----
SUBJECT TO NON-ATTAINMENT REQUIREMENTS OF THE KENTUCKY SIP.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 602

ID NUMBER KY-0012

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION DIAMOND SHAIROCK CORP.

CASTLE HAYNE, NC

NEW HAMOVER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NC 058
DETERMINATION MADE BY NORTH CAROLINA DEM
(AGENCY)

MIKE SEWELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(919)-733-6126
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

SODIUM BICHRONATIC PLANT/BOILERS 32.50 T/H

SO2

25.0000 LB/MTSTU
SCRUBBER/LOW SULFUR COAL
ADDITION

BACT

PM

96.4300 UNKNOWN
BAGHOUSE-SCRUBBER
ADDITION

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 603

ID NUMBER NC-0004

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL
 COMPANY NAME/SITE LOCATION DOM CHEMICAL
 CLUTE, TX BRAZORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. X3873
 DETERMINATION MADE BY TEXAS ACB (AGENCY)
 L. ROBERTS (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 10/01/82
 ESTIMATED DATE OF START-UP--
 (512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRODUCT STRIPPER		ALK#	2.1000 T/YR PACKED TOWER WATER SCRUBBER	96.00

NOTES -----
 EMISSIONS ARE SUSPECTED CARCINOGENS, MUTAGENS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0105

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION DON CHEMICAL CO. PLAQUEMINE, LA TERVILLE PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. (REGION FILE NO.) PSD-LA-393
 DETERMINATION MADE BY EPA REGION VI (AGENCY)
 TOM DIGGS (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 08/11/81
 ESTIMATED DATE OF START-UP-- 1982
 (214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

TURBINE, NAT. GAS-FIRED, 2 EA 1203.00 MMBTU/H
 NOX 0.4400 LB/MMBTU
 CO 0.1200 LB/MMBTU
 STEAM INJECTION
 GOOD COMBUSTION PRACTICE
 NSPS 85.00
 BACT

NOTES
 1 NATURAL GAS-FIRED TURBINE GENERATOR SETS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 605 ID NUMBER LA-0011 SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION EMERY INDUSTRIES

CINCINNATI, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. OHIO 14-312
DETERMINATION MADE BY

SW OHIO APC
(AGENCY)

JIM BAIRET
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/23/80
ESTIMATED DATE OF START-UP--
(513)-251-8777
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER, COAL-FIRED

35.00 MTBTU/H

PM	0.0600 LB/MTBTU
SO2	1.6000 LB/MTBTU
NOX	LOW S COAL < 1.0% S 0.7000 LB/MTBTU

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 606

ID NUMBER OH-0013

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---	OTHER CHEMICAL	COMPANY NAME/SITE LOCATION	ESK CORP.	HENNEPIN, IL	PUTNAM COUNTY										
DETERMINATION IS BACT FOR A MODIFIED SOURCE.															
PERMIT NO.		ILLINOIS EPA		CHRIS ROMAINE	DATE OF PERMIT ISSUANCE--										
DETERMINATION MADE BY	(AGENCY)	(AGENCY CONTACT PERSON)		(217)-782-2113	ESTIMATED DATE OF START-UP-- 1979										
<table border="1"> <thead> <tr> <th>PROCESSES SUBJECT TO THIS PERMIT</th> <th>THROUGHPUT CAPACITY</th> <th>POLLUTANT EMITTED</th> <th>EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION</th> <th>... & BASIS ... PCT EFF</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF					
PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF											

NOTES -----
 SOURCE GRANTED TEMPORARY PSD PERMIT WITH FLARING OF H2S. SOURCE UNDER REVIEW TO GET PERMANENT PSD LIMITS AS CHANGED CIRCUMSTANCES REQUIRE PERMANENT PERMIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION EXXON CHEMICAL

BATON ROUGE, LA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-221
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

DATE OF PERMIT ISSUANCE-- 05/01/80
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

THERMAL OXIDIZERS, 2 EA

141.00 MMBTU/H

SO2

2.0600 LB/MMBTU
THERMAL SCRUBBER

BACT
90.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 608

ID NUMBER LA-0034

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION E.I. DUPONT DE NEMOURS

CIRCLEVILLE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. EFA-5-A-81-1

DETERMINATION MADE BY EPA REGION V

(AGENCY)

BONIFACE THAYIL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/08/80

ESTIMATED DATE OF START-UP--

(312)-886-6054

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

BOILERS, COAL-FIRED, 2

70000.00 LB/H

SO2

1.6000 LB/MMBTU

PM

0.0600 LB/MMBTU

NOX

0.6000 LB/MMBTU

LOW EXCESS AIR & BURNER DESIGN

NOTES -----
SOURCE NOT BUILT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 609

ID NUMBER OH-0005

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION E.I. DUPONT DE NEMOURS

LAPLACE, TX ST. JOHN THE BAPTIST COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-335
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

DATE OF PERMIT ISSUANCE-- 04/28/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

TOM DIGGS
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER

240.00 MBTU/H

PM	0.0500 LB/HMBTU OIL			
	0.0840 LB/HMBTU COAL			
	BAGHOUSE			
SO2	0.7900 LB/HMBTU OIL			
	1.6900 LB/HMBTU COAL			
	LOW SULFUR COAL (1.0%)			
NOX	0.3000 LB/HMBTU OIL			
	0.6000 LB/HMBTU COAL			
	LOW NOX BURNERS			

99.20

COAL CAR UNLOAD

BACT 99.00

CONVEYING TRANSFER

BACT

LOAD

BACT

(CONTINUED) E.I. DUPONT DE NEMOURS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EROSION		PM	0.0170 LB/H WETTING	BACT
PILE EROSION		PM	0.0170 LB/H WETTING	BACT
RECLAIMING		PM	0.0180 LB/H DUST SUPPRESSANT	BACT
PUMPING		PM	0.2120 LB/H DUST SUPPRESSANT	BACT
ASH HANDLING		PM	0.0050 LB/H BAG FILTER	BACT 99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 611

ID NUMBER TX-0027

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION HCC CHEMICAL CO.
CONVENT CHEMICAL CORP.

CONVENT, LA

ST. JAMES PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-108
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

DATE OF PERMIT ISSUANCE-- 11/06/80
ESTIMATED DATE OF START-UP-- 1980
(214)-767-1594
(PHONE)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER, SPREADER STOKER 312.50 MBTU/H

0.3200	LB/MBTU COAL	BACT
0.7000	LB/MBTU COAL	96.00
0.0950	LB/MBTU COAL	BACT
0.0200	LB/MBTU COAL	BACT
0.1400	LB/MBTU RESID. OIL	99.70
0.3000	LB/MBTU RESID. OIL	BACT
0.0360	LB/MBTU RESID. OIL	96.00
0.0200	LB/MBTU RESID. OIL	NSPS
0.3200	LB/MBTU DIST OIL	BACT
0.1600	LB/MBTU DIST OIL	99.70
0.0360	LB/MBTU DIST OIL	BACT
0.0360	LB/MBTU DIST OIL	96.00
0.0360	LB/MBTU DIST OIL	BACT
0.0360	LB/MBTU DIST OIL	BACT

BACT
99.70
BACT
BACT
BACT
BACT
BACT

0.0140 LB/MTBTU DIST OIL
BAGHOUSE
0.0006 LB/MTBTU N. GAS
GAS AS FUEL
0.1700 LB/MTBTU N. GAS
BOILER DESIGN
0.0170 LB/MTBTU N. GAS
BOILER OPERATION
0.0100 LB/MTBTU N. GAS
GAS AS FUEL

PM
SO2
NOX
CO
PM

(CONTINUED) HCC CHEMICAL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS/OIL	173.00 MMBTU/H	SO2	0.3200 LB/MMBTU	BACT
			FLUE GAS DESULFURIZATION	96.00
		NOX	0.3000 LB/MMBTU	NSPS
			BOILER DESIGN	
		CO	0.0400 LB/MMBTU	BACT
			BOILER OPERATION	
		PM	0.0200 LB/MMBTU	BACT
			BAGHOUSE	99.70
BOILER, WASTE GAS	230.00 MMBTU/H	NOX	0.2000 LB/MMBTU	
			BOILER DESIGN	
		PM	0.0100 LB/MMBTU	
			BAGHOUSE	99.70
COAL CRUSHER HOUSE		PM	2.1500 LB/H	
			BAGHOUSE	99.70
COAL BUNKER HOUSE		PM	0.3600 LB/H	
			BAGHOUSE	99.70
ASH SILO		PM	0.2300 LB/H	
			BAGHOUSE	99.70
COAL HANDLING		PM	5.3000 LB/H	
			HANDLING TECHNIQUES	

NOTES -----
MODIFIED PERMIT ISSUED 11-06-80. SPREADER STOKER BOILER MAY USE NATURAL GAS, DISTILLATE OIL, OR RESIDUAL OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION ICI AMERICAS, INC.

, VA

CHESTERFIELD COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 50418

DETERMINATION MADE BY

VIRGINIA APCB

(AGENCY)

PAUL PITTS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/28/82

ESTIMATED DATE OF START-UP--

(804)-786-6867

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

VIRGIN CHIP BUNKER

6.50 T/H

PM

0.0025 LB/H

BAGFILTERS

99.90

VIRGIN CHIP HOPPER

11.20 T/H

PM

0.0025 LB/H

CYCLONE

99.90

RECLAIM CHIP HOPPER

11.20 T/H

PM

0.0025 LB/H

CYCLONE

99.90

FLAKE BUNKER

4.50 T/H

PM

0.2400 LB/H

BAGFILTER

99.95

FLAKE HOPPER

1.50 T/H

PM

0.4200 LB/H

BAGFILTER

99.95

STENTER CONVEYOR

2.50 T/H

PM

(CONTINUED) ICI AMERICAS, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EDGE/SCRAP CONVEYOR	5.50 T/H	PM	0.0025 LB/H BAGFILTER	99.95
SILT/SCRAP CONVEYOR	1.50 T/H	PM	0.0011 LB/H BAGFILTER	99.95
SLITTER	1.00 T/H	PM	0.0028 LB/H	
DRYER	2.50 T/H	PM	0.0160 LB/H BAGFILTER	99.95

NOTES -----
MAKES PLASTIC FILM FROM CHIPS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER VA-0016

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION MALLINCKRODT, INC

ST. LOUIS, MO

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO.

DETERMINATION MADE BY EPA REGION VII

(AGENCY)

DANIEL RODRIGUEZ

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/17/82

ESTIMATED DATE OF START-UP-- 1983

(816)-374-6525

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

COAL FIRED BOILER

115.10 MBTU/H

S02 2.0000 LB/MBTU 300 ROLL AV
2.8500 LB/MBTU MAX/D, MED S
S02 1.2000 LB/MBTU MAX/D, LOW S
1.2000 LB/MBTU FUEL OIL
S02 0.0100 LB/MBTU GAS
NOX 0.6000 LB/MBTU
0.3000 LB/MBTU FUEL OIL
NOX 0.2000 LB/MBTU GAS

NOTES

STAND-BY FUEL-C OF NATURAL GAS & NO.6 FUEL OIL. COAL SAMPLING & FUEL ANALYSIS USED FOR COMPLIANCE TESTING FOR S02.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 617

ID NUMBER MD-0005

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 60.00 MMBTU/H
 COMPANY NAME/SITE LOCATION MALLINCKRODT, INC. RALEIGH, NC WAKE COUNTY

DETERMINATION IS BACK FOR A MODIFIED SOURCE.
 PERMIT NO. 5126
 DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)
 MIKE SEWELL (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 04/19/83
 ESTIMATED DATE OF START-UP-- 1984
 (919)-733-7015 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

BOILER, COAL FIRED 60.00 MMBTU/H
 SO2 1.5000 LB/MMBTU
 LOW S COAL, 1%
 NOX 0.7000 LB/MMBTU
 GOOD OPERATING PRACT.

NOTES -----
 THE BOILER WILL HAVE A BAG FILTER TO CONTROL PM EMISSIONS, PM IS NOT SUBJECT TO PSD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION HERCK & CO., KEKO DIVISION
P.O. BOX 13216

SAN DIEGO, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NSR-4-4-10 SD-81-01
DETERMINATION MADE BY EPA REGION IX
(AGENCY)

DATE OF PERMIT ISSUANCE-- 11/20/81
ESTIMATED DATE OF START-UP--
(415)-974-8224
(PHONE)

RICK SUGAREK
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

TURBINE, 3

7.16 MW EA

NOX

20.0000 LB/H PER TURBINE
0.2400 LB/MMBTU
WATER INJECTION

BACT

DUCT BURNERS, 3

30.00 MMBTU EA

NOX

3.1000 LB/H PER BURNER
0.1000 LB/MMBTU
LOW NOX DESIGN

BACT

75.00

NOTES -----

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

PAGE 6- 619

ID NUMBER CA-0036

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

6200.00 BTU/LB

COMPANY NAME/SITE LOCATION HEREDITH/BURDA, INC.

NEWTON, NC

CATAWBA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-064

DETERMINATION MADE BY NORTH CAROLINA DEM
(AGENCY)

MIKE SEMELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/08/80
ESTIMATED DATE OF START-UP--
(919)-733-6126
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

BOILER

3366.00 LB/H PAPER

PM
SO2

4.0000 LB/H

BACT

CHROME CYLINDER

NO. 6 OIL

CHR* 0.0010 LB/H

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.
PAGE 6- 620

ID NUMBER NC-0010

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---
OTHER CHEMICAL

84.70 T/D

COMPANY NAME/SITE LOCATION HOLY CORP., INC.

WASHINGTON, PA

WASHINGTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79PA22

DETERMINATION MADE BY EPA REGION III
(AGENCY)

DAVID ARNOLD
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/21/80
ESTIMATED DATE OF START-UP-- 1980
(215)-597-7936
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

ROASTER

84.70 T/D

PH

5.1000 LB/H

BAGHOUSE

S02

75.0000 LB/H

DBL-ABSORB ACID PLANT(SCRUB.)

BACT

99.50

BACT

98.50

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 621

ID NUMBER PA-0018

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL
 COMPANY NAME/SITE LOCATION MONSANTO CO.
 ALVIN, TX BRUZORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. PSD-TX-307
 DETERMINATION MADE BY EPA REGION VI
 (AGENCY)
 JOHN BURYAK
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 08/26/81
 ESTIMATED DATE OF START-UP-- 1982
 (214)-767-1594
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... 4 BASIS ... PCT EFF
INCIN., HMA SCRUBBER STACK	1.00 MHLB/YR	SO2	11.3500 LB/H CAUSTIC STACK SCRUBBER	
FLARE STACK		SO2	SHOKELESS FLAME - NO VIS. EMISS	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 622

ID NUMBER TX-0059

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- 1000.00 LB/H 2 EA

OTHER CHEMICAL

COMPANY NAME/SITE LOCATION M&T CHEMICALS, INC.
P.O. BOX 1580
CARROLLTON, KY 41008
CARROLL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-KY-127
DETERMINATION MADE BY KENTUCKY DAPC
(AGENCY)
BILL DILLS
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/07/80
ESTIMATED DATE OF START-UP--
(502)-564-3382
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS
POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

REACTOR, TIN TETRACHLORIDE 1000.00 LB/H
PM 50.0000 T/YR
VENTURI SCRUBBER
2ND UNIT UP TO 1500 LB/H
NSR 99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 623

ID NUMBER KY-0005

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 729.40 MBTU/H

COMPANY NAME/SITE LOCATION PLAINS ELECT. GEN & TRANS , NM SANDOVAL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 12/29/81
 PERMIT NO. (REGION FILE NO.) PSD-NM-418 ESTIMATED DATE OF START-UP-- 1983
 DETERMINATION MADE BY EPA REGION VI TOM DIGGS (214)-767-1594
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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TURBINE GEN, NAT. GAS-FIRED	729.40 MBTU/H	NOX	270.0000 LB/H 0.3700 LB/MBTU	BACT
		S02	H2O INJECT (WATER/FUEL = 0.5) 2.9000 LB/H 0.0040 LB/MBTU	42.50 BACT
			NONE	

TURBINE GEN, OIL AS STANDBY FUEL	722.30 MBTU/H	NOX	280.0000 LB/H 0.3880 LB/MBTU	NSPS
		S02	H2O INJECT (WATER/FUEL = 0.5) 156.0000 LB/H 0.2160 LB/MBTU	66.70 BACT
			LOW SULFUR FUELS	

NOTES -----
 ALTERNATE EMISSION LIMITS FOR NATURAL GAS: NOX -- 270 LB/HR, S02 -- 2.9 LB/HR. ALTERNATE EMISSION LIMITS FOR OIL: NOX -- 280 L B/HR, S02 -- 156 LB/HR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- 243.00 MMBTU/H

OTHER CHEMICAL

NATRIUM, WV MARSHALL COUNTY

PPG INDUSTRIES

DATE OF PERMIT ISSUANCE-- 10/08/80
ESTIMATED DATE OF START-UP-- 1981
(215)-597-2711
(PHONE)

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 794V06
DETERMINATION MADE BY
EPA REGION III
(AGENCY)

VERNON BUTLER
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER	243.00 MMBTU/H	NOX	0.7000 LB/MMBTU BURNER DESIGN--EXCESS O2< 4.5%	BACT
--------	----------------	-----	---	------

NOTES -----
0.7 LB/MMBTU DETERMINATION IS NOT AN EMISSION LIMITATION IN PSD PERMIT. BOILER #3 WAS STACK TESTED ON 5/13/82 WITH NO2 EMISSIONS OF 226 LB/H MEASURED, APPROX. = 0.93 LB/MMBTU.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 6.62

ID NUMBER WV-0003

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APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION PROCTOR CHEMICAL CO.

SALISBURY, NC

ROMAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 5096
DETERMINATION MADE BY

NORTH CAROLINA DEM
(AGENCY)

MIKE SEWELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/02/83
ESTIMATED DATE OF START-UP-- 1981
(919)-733-7015
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGH-PUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

ROTARY PORCUPINE DRYER

4346.00 LB/H

VOC

98.0000 % CONTROL
303.0000 T/YR

SURFACE CONDENSER

98.00

NOTES -----

THE NEW DRYER WILL DRY THE SOLID PORTIONS OF VARIOUS CHEMICAL PRODUCTS MANUFACTURED BY PROCTOR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER NC-0029

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE-- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION PROCTOR & GAMBLE
6TH STREET

MACON, GA

BIBB COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. GA 008
DETERMINATION MADE BY GEORGIA EPD
(AGENCY)

BILL MITCHELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/25/80
ESTIMATED DATE OF START-UP--
(404)-656-6900
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER

87.50 MBTU/H

FAT CONVERSION

S02

1.0000 % S OIL

VOC

37.0000 T/YR

FUME INCINERATOR

BACT

85.00

NOTES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 627

ID NUMBER GA-0002

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION SHELL CHEMICAL CO.
P.O. BOX 2463

HOUSTON, LA 77001

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.

DATE OF PERMIT ISSUANCE-- 03/07/80
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

DETERMINATION MADE BY EPA REGION VI
(AGENCY)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

ASBESTOS DUST COLLECTOR (1-78)

BPA-4 PROCESS PRILL TOWER

BPA RESINS, STORAGE, & SHIP.

PROCESS HEATERS, 3 EA

PM	4.5000 G/D	DUST FILTER	BACT	99.00
PM	0.4800 LB/H	BAG FILTER	BACT	99.30
PM	2.2500 LB/H	BAG FILTER	BACT	99.40
PM	0.0250 LB/H:BTU		BACT	
	1.6300 LB/H EA			
S02	0.8730 LB/H:BTU	AIR/FUEL CONT. BY F.G. 02 MON.	BACT	
	56.7000 LB/H EA			
CO	0.0390 LB/H:BTU	0.7% S MAX. FUEL	BACT	
	2.5000 LB/H EA			
NOX	0.5400 LB/H:BTU	AIR/FUEL CONT. BY F.G. MON.	BACT	
	35.1000 LB/H EA			
		LOW EXCESS AIR BY F.G. 02 MON.		

(CONTINUED) SHELL CHEMICAL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ORGANIC CHLORIDE INCIN.	10000.00 LB/H	NOX	27.8000 LB/H	BACT
		PH	0.0200 GR/DSCF 2.0000 LB/H	BACT
		CO	3.2000 LB/H F.G. 02 MON. FOR PROPER COMBU.	BACT
		SO2	0.0000 LB/H ¹ STU AIR/FUEL CONT. BY F.G. 02 MON.	
SLUDGE INCIN.	10.00 MMBTU/H	PH	0.0040 GR/DSCF 0.0630 LB/H	BACT
		SO2	0.8750 LB/H ¹ STU 8.7500 LB/H 0.7% S FUEL OIL (MAX)	BACT
		CO	0.8300 LB/H	BACT
		NOX	8.2000 LB/H AIR/FUEL CONT. BY F.G. 02 MON. LOW EXCESS AIR BY F.G. 02 MON.	BACT
BOILERS, 3 FA	594.00 MMBTU/H	NOX	0.7000 LB/H ¹ STU 416.0000 LB/H	BACT
		SO2	1.2000 LB/H ¹ STU 713.0000 LB/H LOW EXCESS AIR BY F.G. 02 CON.	BACT
		CO	0.0640 LB/H ¹ STU 38.0000 LB/H LOW SULFUR COAL.	BACT
		PH	0.0890 LB/H ¹ STU 53.0000 LB/H AIR/FUEL CON. BY F.G. MON. E. S. P. AIR/FUEL CON. BY F.G. 02 CON.	BACT

(CONTINUED) SHELL CHEMICAL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 2 TEMPORARY	198.50 MMBTU/H EA	PM	0.1000 LB/MMBTU 19.9000 LB/H EA F.G. 02 CON. BY F.G. 02 MON.	BACT
		SO2	0.7500 LB/MMBTU 148.9000 LB/H EA 0.7% S FUEL (MAX.)	BACT
		NOX	0.3000 LB/MMBTU 59.6000 LB/H EA LOW EXCESS AIR BY F.G. 02 MON.	BACT
		CO	0.0330 LB/MMBTU 6.5300 LB/H EA AIR/FUEL CON. BY F.G. 02 MON.	BACT
BARGE BUCKET UNLOADER		PM	466.4000 LB/D WATER SPRAY/FUGITIVE EMIS.	BACT
BARGE TO STORAGE CONVEYOR		PM	127.6000 LB/D WATER SPRAY/FUGITIVE EMIS.	BACT
COAL PILE RECLAIM CONVEYOR		PM	3.6000 LB/D WATER SPRAY/FUGITIVE EMIS.	BACT
COAL DUMPING AT BOILERS USING C*		PM	16.0000 LB/D WATER SPRAY/FUGITIVE EMIS.	BACT
COAL PILE WIND EROSION		PM	0.2300 T/YR CRUSHING AGENT TO REDUCE DUST	BACT

NOTES -----
SOURCE OPERATED CONTINUOUSLY. BPA-4 MEANS BIPHENOL ACETONE IN SOLID PHASE. ALLOWABLE EMISSIONS FROM EACH PROCESS HEATER DIVIDE
D BETWEEN 2 STACKS. ORGANIC CHLORIDE INCINERATOR IS SAID NOT TO BE A SOURCE OF SO2. WHEN BOILERS FIRE OIL DUE TO SHORTA
GE OF COAL, THEY COMPLY W/NSPS. A THIRD TEMP. BOILER (264 MMBTU/HR INPUT) FIRING SAME FUEL. HAS SAME BACT. ALLOWABLE EMISSIONS
ARE: SO2, 0.25,198.5 \ NOX, 0.3,79.2 \ CO, 0.033,8.71 \ TSP, 0.1,26.4 -- UNITS ARE LB/MMBTU AND LB/HR, RES PECTIVELY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER LA-0030

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

600.00 MET. T/YR

COMPANY NAME/SITE LOCATION SMITH KLINE CORP.

UPPER MERION, PA

MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 79PA15

DETERMINATION MADE BY EPA REGION III

(AGENCY)

VERNON BUTLER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/25/80

ESTIMATED DATE OF START-UP-- 1981

(215)-597-2711

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

2 BOILERS, EA

700.00 HP EA

SO2

0.2000 % BY WT #2 OIL
1.6900 TPGALS/YR OIL

BACT

2 INCINERATORS, EA

PH

2.0000 LB/H
VENTURI SCRUBBER

BACT

SO2

3.0000 LB/H
VENTURI SCRUBBER

99.00

VENTURI SCRUBBER

BACT

NACH INJ.

97.50

GRINDER

VE

20.0000 % OPACITY
BAGHOUSE

BACT

99.50

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 631

ID NUMBER PA-0023

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- OTHER CHEMICAL
 COMPANY NAME/SITE LOCATION TENNESSEE EASTMAN CO.
 P.O. BOX 511
 KINGSFORD, TN 37662
 SULLIVAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. TN 065
 DETERMINATION MADE BY TENNESSEE APCD
 (AGENCY)
 ANGIE PITCOCK
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 06/05/81
 ESTIMATED DATE OF START-UP--
 (615)-741-3651
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... 4 BASIS ... PCT EFF

BOILER-COAL FIRED 780.00 MBTU/H PH 14.0000 LB/H FABRIC FILTER S02 936.0000 LB/H LOW S FUEL PH 0.0020 GR/SCF ENCLOSED COAL TRANSFER PROC.

BACT
 99.76
 BACT

BACT

NOTES
 COAL GASIFICATION FOR CHEMICAL INTERMEDIATES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION TENNESSEE EASTMAN CO.

KINGSPOST, TN

SULLIVAN COUNTY

DETERMINATION IS B/L FOR A MODIFIED SOURCE.

PERMIT NO.

DETERMINATION MADE BY TENNESSEE APCD

(AGENCY)

ARMY NIELSON

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/02/81

ESTIMATED DATE OF START-UP--

(615)-741-3651

(PHONE)

PROCESSES SUBJECT

TO THIS PERMIT

THROUGHPUT

CAPACITY

FLARES

160.00 LB/H

POLLUTANT

EMITTED

VOC

CO

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

0.0005 LB/H

0.0013 LB/H

INCINERATION

INCINERATION

... & BASIS

... PCT EFF

LAER

99.00

BACT

99.00

NOTES

EMISSION LIMITS ARE FOR NATURAL GAS FOR PILOT LIGHTS OF FLARES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 633

ID NUMBER TN-0007

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION UNION CARBIDE
P.O. BOX 428

WOODBINE, GA 31569

CAMDEN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. GA 069
DETERMINATION MADE BY

GEORGIA EPD
(AGENCY)

BILL MITCHELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/10/81
ESTIMATED DATE OF START-UP-- 1982
(404)-656-6900
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILERS

S02 418.0000 T/YR
1% S FUEL

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 634

ID NUMBER GA-0005

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION UNIROYAL CHEMICAL, DIV. OF UNIROYAL INC.
P.O. BOX 397

GEISHAR, LA

ASCENSION PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. LA-250
DETERMINATION MADE BY

EPA REGION VI
(AGENCY)

JOHN BURIYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/26/80
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

INCIN., WASTE

25.00 MTBTU/H

NOX 4588.8000 LB/D

CAUSTIC SCRUB.
LOW NOX BURNERS, LEA FIRING

BACT
20.00

SO2

23.4000 LB/3 H

CAUSTIC SCRUB

BACT
95.00

PM

26.0000 LB/D
CAUSTIC SCRUB

BACT
98.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER LA-0028

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 45.00 MM

COMPANY NAME/SITE LOCATION U.S. BORAX & CHEMICAL CORP.
3075 WILSHIRE BLVD

LOS ANGELES, CA 90010

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. SE-82-02

DETERMINATION MADE BY EPA REGION IX
(AGENCY)

JOE SLAMOVICH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(415)-974-8235
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

GAS TURBINE

3655.00 GAL/H

CO

72.0000 LB/H

BACT

NOX

230.0000 LB/H

BACT

WATER INJECTION

70.00

SO2

219.0000 LB/H

BURN LOW S FUEL/AT. GAS

BACT

PM

10.0000 LB/H

COMBUSTION CONTROLS

BACT

VOC

0.5000 LB/H

COMBUSTION CONTROLS

BACT

PB

0.0140 LB/H

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 636

ID NUMBER CA-0031

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION VELSICOL CHEMICAL CO.

CHATTANOOGA, TN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 30-38C
DETERMINATION MADE BY CHATTANOOGA APCB
(AGENCY)

JAMES FRENCH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/08/82
ESTIMATED DATE OF START-UP-- 1982
(615)-867-4321
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ACID PLANT	4155.00 LB/H	VOC		BACT
EXPANSION PLANT	4529.00 LB/H	BEN*	1.8000 LB/H WET SCRUB & CARBON ADSORPTION	BACT 98.00
BENZOTRICHORIDE SYNTHESIS	5000.00 LB/H	BEN*	0.4500 LB/H WET SCRUB & CARBON ADSORPTION	BACT 99.00
BENZYL CHLORIDE SYNTHESIS	5000.00 LB/H	BEN*	0.4500 LB/H WET SCRUB & CARBON ADSORPTION	BACT 80.00
		VOC*	6.8500 LB/H WET SCRUB & CARBON ADSORPTION	BACT 80.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 637

ID NUMBER TN-0016

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION 3M CO., CHEMOLITE

ST. PAUL, MN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 23A-81-I-49
DETERMINATION MADE BY

MINNESOTA PCA
(AGENCY)

JERRY LIEFERT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/08/81
ESTIMATED DATE OF START-UP-- 1981
(612)-296-7272
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

AERASIVE MINERAL PROCESS

325.00 T/YR

NOX

88.0000 T/YR MAX
SCRUBBER

BACT
95.00

NOTES
CONVENTIONAL UNITS AVAILABLE CONVERT ONLY ONE-THIRD OF THE NITROGEN DIOXIDE TO NO. CONTROL EFFICIENCIES ARE <LESS THAN 67% OF THE TOTAL OXIDES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 638

ID NUMBER MN-0004

SOURCE TYPE CODE 6-62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS

COMPANY NAME/SITE LOCATION ALLEN PRODUCTS CO., INC.

SOUTH WHITEHALL TOWNSHIP, PA

LEHIGH COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 79PA13

DETERMINATION MADE BY EPA REGION III (AGENCY)

BOB BLASZCZAK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/04/79
ESTIMATED DATE OF START-UP-- 1979
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

GRAIN UNLOAD STATION

4.70 MCF/H

PM

1.0000 LB/H

BAGHOUSE

BACT 99.90

GRINDING & BLENDING STATION

35.00 MLB/H

PM

0.5000 LB/H

BAGHOUSE

BACT 99.90

NOTES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER PA-0012

SOURCE TYPE CODE 7.3

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS 2.00 MTBU/YR

COMPANY NAME/SITE LOCATION BROOKPORT BARGE POINT, INC P.O. BOX 147 BROOKPORT, IL 62910 MASSAC COUNTY

DETERMINATION IS FOR A NEW SOURCE. PERMIT NO. C8008003 ILLINOIS EPA CHRIS ROMAINE DATE OF PERMIT ISSUANCE-- 04/03/81 ESTIMATED DATE OF START-UP-- (217)-782-2113 (PHONE) DETERMINATION MADE BY (AGENCY) (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

RECEIVING	2.00 MTBU/YR	PM	35.0000 LB/H	ASPIRATION TO BAGHOUSE ENCLOSURE	90.00
HANDLING	2.00 MTBU/YR	PM	5.2500 LB/H		
LOAD-OUT	2.00 MTBU/YR	PM	10.5000 LB/H	ASPIRATION TO BAGHOUSE DEADBOX ON TIP OF SPOUT	90.00
CLEANING		PM	2.1000 LB/H		
DRYING		PM	0.8400 LB/H	BUILT IN SCREENS	90.00

NOTES ----- NON-MAJOR PROJECT DEEMED CONTROVERSIAL DUE TO PUBLIC INTEREST. PUBLIC HEARING HELD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 640

ID NUMBER IL-0012

SOURCE TYPE CODE 7.3

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS 30.00 MMBU/YR

COMPANY NAME/SITE LOCATION BUNGE CORP.

SAVAGE, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 393A-81-I-6
DETERMINATION MADE BY MINNESOTA PCA
(AGENCY)

GEORGE VASILAKES
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/08/82
ESTIMATED DATE OF START-UP-- 1982
(612)-296-7267
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BARGE LOAD/OUT CONVEYOR & LOADOUT*

30.00 MMBU/YR

PM

31.0000 T/YR

BAGHOUSE
DUST SUPPRESSOR

BACT
99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 641

ID NUMBER MN-0003

SOURCE TYPE CODE 7.3

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FEED/GRAIN HILLS AND ELEVATORS

COMPANY NAME/SITE LOCATION CARGILL, INC.
3201 NEEDMORE RD.

DAYTON, OH 45415

MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 08-124

DETERMINATION MADE BY RAPCA - DAYTON, OH
(AGENCY)

VICKIE SARVER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/19/78
ESTIMATED DATE OF START-UP-- 1981
(513)-225-4435
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

COAL BOILER

567.00 MMBTU/H

PH

0.0250 LB/MMBTU
BAGHOUSE

S02

1.2000 LB/MMBTU
LOW SULFUR COAL

BACT
99.00
BACT

NOTES

SINGLE SOURCE (CRSTER) DISPERSION MODEL USING HOURLY MET. DATA TO ESTIMATE POLLUTANTS' IMPACTS. (ONE YEAR MET. DATA.)

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 642

ID NUMBER OH-0011

SOURCE TYPE CODE 7.3

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---

FEED/GRAIN MILLS AND ELEVATORS

COMPANY NAME/SITE LOCATION
CORN PRODUCTS
6400 ARCHER RD

BEDFORD PARK, IL 60501

COOK COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 81040028-81040039

DETERMINATION MADE BY
ILLINOIS EPA
(AGENCY)

CHRIS ROMAINE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/23/81
ESTIMATED DATE OF START-UP-- 1982
(217)-782-2113
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

NEW FEED DRYER

SUGAR LOADING STATION

PH 8.4000 LB/H
CYCLONES, HIGH EFF. LAER

STEEP VENTS

PH 0.3900 LB/H
BAGHOUSE LAER

GERM CAKE TRANSPORT

PH 0.6000 LB/H
WET SCRUBBER LAER

FEED TRANSPORT

PH 1.6000 LB/H
CYCLONES LAER

GERM DRYER TRANSPORT

PH 2.0000 LB/H
CYCLONES LAER

PH 2.3000 LB/H
MULTICLONES LAER

(CONTINUED) CORN PRODUCTS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DUST BIN PICKUPS		PM	1.2000 LB/H SCRUBBER	LAER
GERM FLAKE TRANSPORT		PM	4.5900 LB/H CYCLONE (2 STAGE) & SCRUBBER	LAER
GLUTEN DRYER		PM	2.1000 LB/H CYCLONES, HIGH EFF.	LAER
DUST PICKUP-ELEVATOR & CONV.		PM	1.5000 LB/H CYCLONES, HIGH EFF.	LAER
PELLET DUST COLLECTION SYS.		PM	1.1300 LB/H CYCLONES, 2 STAGE	LAER
GLUTEN DRYER		PM	1.1400 LB/H CYCLONES, HIGH EFF.	LAER

NOTES -----

LAER EMISSION LIMITS STATED FOR MAXIMUM EQUIPMENT THROUGHPUT. EMISSION RATES TO BE ADJUSTED PROPORTIONATELY FOR OPERATIONAL THROUGHPUT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERMENTATION AND ALCOHOLIC BEVERAGES

COMPANY NAME/SITE LOCATION ANHEUSER-BUSCH, INC.

VAN NUYS, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) LA-78-18
DETERMINATION MADE BY EPA REGION IX
(AGENCY)

JIM HANSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/01/79
ESTIMATED DATE OF START-UP--
(415)-974-8038
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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STEAM BOILERS, 2 EA

125000.00 LB/H

SO2	0.2100 % S FUEL OIL	BACT
NOX	SULFUR IN FUEL	LAER
	0.2700 LB/MMBTU	
	0.4700 LB/MMBTU	
	LOW NOX BURNERS	
	DERATING OVERSIZED BOILERS & TWO STAGE COMBUST*	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 645

ID NUMBER CA-0010

SOURCE TYPE CODE 7.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERMENTATION AND ALCOHOLIC BEVERAGES 10.00 MMBBL/YR -----

COMPANY NAME/SITE LOCATION ANHEUSER-BUSCH, INC. ST. LOUIS, TX 63110 HARRIS COUNTY
721 PESTALOZZI ST. -----

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE--
PERMIT NO. (REGION FILE NO.) PSD-TX-246 ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY EPA REGION VI (214)-767-1594
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL BOILERS, 3	170.00 MMBTU/H EA	CO	11.2000 LB/H EA 0.0630 LB/MMBTU NONE REQUIRED	BACT
		NOX	125.0000 LB/H EA 0.7000 LB/MMBTU COMBUSTION CONTROL	BACT
OIL BOILERS, 3	77.00 MMBTU/H EA	CO	2.7000 LB/H EA 0.0350 LB/MMBTU NONE REQUIRED	BACT
		NOX	32.1000 LB/H EA 0.4200 LB/MMBTU COMBUSTION CONTROL	BACT

NOTES -----
ONLY ONE OIL FIRED BOILER MAY BE OPERATED WHEN ALL THREE COAL FIRED BOILERS ARE IN OPERATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERMENTATION AND ALCOHOLIC BEVERAGES 221.00 MBTU 3 EA

COMPANY NAME/SITE LOCATION COORS CO.

ELKTON, VA

ROCKINGHAM COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 80VA01

DETERMINATION MADE BY EPA REGION III

(AGENCY)

EILEEN GLEN

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/19/81

ESTIMATED DATE OF START-UP--

(215)-597-8187

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

BOILER, COAL FIRED, 3

221.00 MBTU EA

BACT 99.00

0.0500 LB/MBTU

BAGHOUSE & FGD

0.2400 LB/MBTU

BAGHOUSE & FGD

0.6000 LB/MBTU

0.4000 LB/MBTU

0.0200 LB/MBTU

5.0000 % OPACITY

2.8600 LB/H

5.0000 % OPACITY

FABRIC FILTER COLLECTOR

1.2900 LB/H

5.0000 % OPACITY

FABRIC FILTER COLLECTOR

0.6500 LB/H

5.0000 % OPACITY

FABRIC FILTER COLLECTOR

COAL RECEIVIN

COAL BUNKERS

SCREENING & MILLING SYS, BARLEY*

(CONTINUED) COORS CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RICE STOR., SCREEN AND MILLING		PM	2.5900 LB/H 5.0000 % OPACITY FABRIC FILTER COLLECTOR	BACT 99.50
SPENT GRAIN DRYER		PM	0.1100 LB/H 5.0000 % OPACITY WET SCRUBBING SYSTEM	BACT 90.00
DRY SPENT GRAIN STOR. AND HAND.		PM	1.6400 LB/H 5.0000 % OPACITY FABRIC FILTER COLLECTOR	BACT 99.95
PELLET BULK STORAGE		PM	0.7300 LB/H 5.0000 % OPACITY FABRIC FILTER COLLECTOR	BACT 99.95
FILTER MEDIA DRYER		PM	0.1400 LB/H 5.0000 % OPACITY WET SCRUBBING SYSTEM	BACT 99.50
HANDLING SYS, DIATOMACEOUS EARTH		PM	0.6500 LB/H 5.0000 % OPACITY FABRIC FILTER COLLECTOR	99.90
LIME STOR. & HANDLING SYS.		PM	0.6500 LB/H 5.0000 % OPACITY FABRIC FILTER COLLECTOR	BACT 90.00
COATING OVEN, CAN PLANT		VOC	11.0000 LB/H CATALYTIC INCINERATOR	BACT 90.00

(CONTINUED) COORS CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING OVEN, CAN PLANT		VOC	5.0000 LB/H	BACT
STORAGE PILE, COAL ACTIVE		PH	0.4600 LB/H 5.0000 % OPACITY NET SUPPRESSION SYSTEM	BACT
COAL DEAD STORAGE PILES		PH	0.2300 LB/H 5.0000 % OPACITY CHEMICAL WETTING AGENTS	BACT
STORAGE, COAL RECLAIM HOPPER AC*		PH	2.8600 LB/H 5.0000 % OPACITY FABRIC FILTER COLLECTOR	BACT 99.95
COAL RECLAIM FROM DEAD STORAGE		PH	0.4600 LB/H	BACT
COAL CAR TRAWING HEATER		PH	0.1800 LB/H	BACT
		SO2	3.0000 LB/H .3% LOW SULFUR FUEL	BACT
		VOC	1.0000 LB/H	BACT
		NOX	2.0000 LB/H	BACT
		CO	1.0000 LB/H	BACT
ASH SILO HANDLING SYS		PH	0.3200 LB/H 5.0000 % OPACITY FABRIC FILTER COLLECTOR	BACT 99.95
PNEUMATIC SYS, STARCH UNLOAD		PH	1.2900 LB/H 5.0000 % OPACITY CYCLONE SEPARATOR + BAGHOUSE	BACT 99.90

(CONTINUED) COOR'S CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE SYS, STARCH BRENNHOUSE		PM	1.2900 LB/H 5.0000 % OPACITY CYCLONE SEPERATOR & BAGHOUSE	BACT 99.90
DISTN. SYS, STARCH BRENNHOUSE		PM	0.6500 LB/H 5.0000 % OPACITY FABRIC FILTER COLLECTOR	BACT 99.90
REC. SYS, BARLEY, MALT, & RICE		PM	0.6500 LB/H 5.0000 % OPACITY FABRIC FILTER COLLECTOR	BACT 99.95

NOTES -----
LIMITS NEEDED TO PROTECT CLASS I INCREMENTS & INTEGRAL VISTAS. SOURCE < 1 MILE FROM THE CLASS I AREA.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 650

ID NUMBER VA-0004

SOURCE TYPE CODE 7.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

250000.00 BU/YR

FERMENTATION AND ALCOHOLIC BEVERAGES

COMPANY NAME/SITE LOCATION SCHREIER MALTING CO

SHEYHOYGAN, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-80-60-016
DETERMINATION MADE BY WISCONSIN DNR
(AGENCY)

EMILIA ESTRADA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/21/80
ESTIMATED DATE OF START-UP--
(608)-266-0244
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

KILN

PH 11.1100 LB/H

CONVEY & HANDLE

PH 11.1100 LB/H

3 EXISTING BAGHOUSES & FILTERS
SETUP TANKS/PROD SPOUT/DUST STO

99.90

NOTES -----
PRODUCTION NOT TO EXCEED 250000 BUSHEL MALT/YEAR, NATURAL GAS ONLY TO FREE RUN, NOT SUBJECT TO PSD

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 651

ID NUMBER WI-0021

SOURCE TYPE CODE 7.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 1429.00 T/D P205
 COMPANY NAME/SITE LOCATION AGRICO CHEMICAL CO. BARTON, FL 33830 POLK COUNTY
 P.O. BOX 1969

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. FL-0016 DATE OF PERMIT ISSUANCE-- 03/20/80
 DETERMINATION MADE BY FLORIDA DER ESTIMATED DATE OF START-UP-- 1982
 (AGENCY) ED PALAGYI (904)-488-1344
 (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT THROUGHPUT EMISSION LIMITS ... & BASIS
 TO THIS PERMIT CAPACITY POLLUTANT CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

PHOSPHORIC ACID PROD. LINE 1429.00 T/D P205 FLU* 0.0200 LB/T P205 NSPS
 SCRUBBER

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS

COMPANY NAME/SITE LOCATION AGRICO CHEMICAL CO.
P.O. BOX 1969

BARTOW, FL 33830

POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-FL-061
DETERMINATION MADE BY

FLORIDA DER
(AGENCY)

ED PALAGYI
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/21/81
ESTIMATED DATE OF START-UP-- 1982
(904)-488-1344
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

DIAMONIUM PHOSPHATE

75000.00 T/YR

PM

4.3000 LB/H

SCRUBBER

FLU*

0.5000 LB/H

SCRUBBER

BACT
96.00
NSPS
99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6 - 453

ID NUMBER FL-0019

SOURCE TYPE CODE 7.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS

COMPANY NAME/SITE LOCATION CALIF. AMMONIA (CALAMCO)

LANTHROP, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. SJ80-07

EPA REGION IX
(AGENCY)

DON HARVEY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/08/81
ESTIMATED DATE OF START-UP--
(415)-974-8223
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

NITRIC ACID PLANT

250.00 T/D

NOX

210.0000 PPM
3.0000 LB/T 100% HNO3

EXTENDED ABSORPTION COLUMN

BACT

94.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- (54)

ID NUMBER CA-0001

SOURCE TYPE CODE 7.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS

COMPANY NAME/SITE LOCATION CONSERV, INC.
P.O. BOX 314

NICHOLS, FL 33863

POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. FL-076
DETERMINATION MADE BY

FLORIDA DER
(AGENCY)

WILLARD HANKS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/02/81
ESTIMATED DATE OF START-UP-- 1983
(904)-488-1344
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

SULFURIC ACID PLANT

2000.00 T/D

SO2

333.4000 LB/H

NSPS
8.00
NSPS

ACI*

12.5000 LB/H

DOUBLE ADSORPTION

ACID MIST ELIMINATION

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 655

ID NUMBER FL-0028

SOURCE TYPE CODE 7.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 1750.00 T/D H2SO4

COMPANY NAME/SITE LOCATION GARDINIER, INC. TAMPA, FL 33601 HILLSBOROUGH COUNTY

U.S. 41 AND RIVERVIEW DR.

DETERMINATION IS LAER FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 07/11/80

PERMIT NO. PSD-FL-026 ESTIMATED DATE OF START-UP-- 1982

DETERMINATION MADE BY FLORIDA DER (904)-488-1344

(AGENCY) (PHONE)

WILLARD HAWKS
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

SULFURIC ACID PLANT #7 145833.00 LB/H ACI* 10.9000 LB/H NSPS 70.00

DOUBLE ADSORPTION 291.7000 LB/H

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 656

ID NUMBER FL-0018

SOURCE TYPE CODE 7.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS

COMPANY NAME/SITE LOCATION NEW WALES CHEMICALS, INC.
P.O. BOX 1035

MULDERRY, FL 33960

POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. FL-072

FLORIDA DER
(AGENCY)

WILLARD HAN'S

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/01/81
ESTIMATED DATE OF START-UP-- 1982
(904)-488-1344
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

SULFURIC ACID PLANT

2750.00 T/D H₂SO₄

SO₂

458.3000 LB/H

DOUBLE ADSORPTION

NSPS

70.00

NSPS

ACI#

17.2000 LB/H

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 657

ID NUMBER FL-0027

SOURCE TYPE CODE 7.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 420.00 T/D
 COMPANY NAME/SITE LOCATION OCCIDENTAL CHEMICAL CO.
 SR 137 N. WHITE SPRINGS WHITE SPRINGS, FL 32096 HAMILTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. PSD-FL-067
 DETERMINATION MADE BY FLORIDA DER (AGENCY)
 WILLARD HAWKS (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 01/29/81
 ESTIMATED DATE OF START-UP-- 1982
 (904)-468-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS
 POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
 ... PCT EFF

DEFLUORINIZATION UNIT 420.00 T/D
 FLU* 0.0400 LB/T
 0.7000 LB/H
 WET SCRUBBER
 BACT 95.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 658

ID NUMBER FL-0005

SOURCE TYPE CODE 7.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 484000.00 T/YR PHOSPHORIC FERT

COMPANY NAME/SITE LOCATION USS AGRI-CHEMICALS BARTON (FT. MEADE COMPLEX), FL 36830 POLK COUNTY
P. O. BOX 150

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-FL-064
DETERMINATION MADE BY FLORIDA DER (AGENCY)
ED PALAGYI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/01/81
ESTIMATED DATE OF START-UP-- 1982
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

SULFURIC ACID PROD.	*55000.00 T/YR	SO2	40.0000 LB/T 100% H2SO4 DOUBLE ADSORPTION	NSPS 70.00
PHOSPHORIC ACID PROD.	484000.00 T/YR	FLU*	0.0200 LB/T P205 SCRUBBERS	NSPS 95.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 659

ID NUMBER FL-0001

SOURCE TYPE CODE 7.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 115.00 T/H

COMPANY NAME/SITE LOCATION W R GRACE & CO
P.O. BOX 310

BARTOW, FL 33601 POLK COUNTY

DETERMINATION IS NSPS FOR A MODIFIED SOURCE.
PERMIT NO. PSD-FL-068
DETERMINATION MADE BY FLORIDA DER
(AGENCY)

WILLARD HANKS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/01/81
ESTIMATED DATE OF START-UP-- 1983
(904)-468-1344
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... FCT EFF

DIAMMONIUM PHOSPHATE PLANT 115.00 T/H

FLU# 0.0600 LB/T P205 FEED
TWO PACKED SCRUBBERS

DRYER

S02 39.0000 LB/H
LOW SULFUR AND OIL

NSPS 95.00
BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 660

ID NUMBER FL-0008

SOURCE TYPE CODE 7.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FATS/VEGETABLE OILS 360000.00 T SOYBEAN PROC.

COMPANY NAME/SITE LOCATION OWENSBORO GRAIN CO. 923 EAST 2ND ST. OWENSBORO, KY 42301 DAVIESE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. PERMIT NO. C-81-70 DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 08/24/81 ESTIMATED DATE OF START-UP-- 1982 (502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER, COAL FIRED, & FUEL HAND*	130.50 MMBTU/H	SO2	1.6000 LB/MMBTU	
		NOX	1 1/2 S COAL LB/MMBTU	
			0.7000 LB/MMBTU	
			COMBUSTION CONTROL	
SOLVENT EXTRACTION SYSTEM	360000.00 T/YR	VOC	2.9000 LB HEXANE/T SOYBEAN	
			517.2000 T/YR	
			MINERAL OIL SCRUBBER	
SOYBEAN PREP.	360000.00 T/YR	PM	NOT APPLICABLE	98.00

NOTES -----
NON-ATTAINMENT AREA FOR PM - REVIEW NOT APPLICABLE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.
PAGE 6- 661
ID NUMBER KY-0038
SOURCE TYPE CODE 7.9

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FRUITS/VEGETABLES PROCESSING

COMPANY NAME/SITE LOCATION A.E. STALEY MFG. CO.

DES MOINES, IA

POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO.

DETERMINATION MADE BY EPA REGION VII

(AGENCY)

CHARLES WHITHORE

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/30/81

ESTIMATED DATE OF START-UP--

(816)-374-6525

(PHONE)

PROCESSES SUBJECT

TO THIS PERMIT

THROUGHPUT

CAPACITY

POLLUTANT

EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

BOILER, COAL FIRED, 2 UNITS

150.00 MBTU/H EA

SO2

1.6000 LB/MBTU MAX

1.2000 LB/MBTU - 30 D AVG

LOW SULFUR COAL

NOX

0.6000 LB/MBTU

SPREADER STOKER, DESIGN TECH.

BACT

BACT

NOTES -----

COAL FIRED BOILER TO REPLACE EXISTING OIL FIRED BOILERS. ONE OIL-FIRED BOILER TO REMAIN AND BE USED ONLY AS A STAND-BY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 662

ID NUMBER IA-0004

SOURCE TYPE CODE 7.11

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

45.00 MMBTU/YR

COMPANY NAME/SITE LOCATION BOONE VALLEY COOP.

EAGLE GROVE, IA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.

DATE OF PERMIT ISSUANCE-- 08/28/81
ESTIMATED DATE OF START-UP-- 1981
(816)-374-6525
(PHONE)

DETERMINATION MADE BY EPA REGION VII
(AGENCY)

DANIEL RODRIGUEZ
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

COAL-FIRED BOILER

146.50 MMBTU/H

SO2

2.0000 LB/MMBTU

LOW S WESTERN COAL

NOX

0.6000 LB/MMBTU

LEA AND STAGED COMBUSTION

MINERAL OIL SCRUBBER

MEAL DRYER

MEAL COOLER

VOC

0.0700 GAL/T SOYBEAN PROC.

VOC

0.2500 GAL/T SOYBEAN PROC.

VOC

0.2000 GAL/T SOYBEAN PROC.

NOTES -----

VOC EMISSIONS ARE CONTROLLED BY THE DESIGN OF THE SOY EXTRACTION PROCESS EQUIPMENT WHICH MINIMIZES THE LOSS OF HEXANE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 663

ID NUMBER IA-0008

SOURCE TYPE CODE 7.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 113.00 MBTU/H EA
 COMPANY NAME/SITE LOCATION CAMPBELL SOUP CO. MAXTON, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. NC-065
 DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)
 MIKE SEWELL (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 04/25/80
 ESTIMATED DATE OF START-UP-- (919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

BOILER 113.00 MBTU/H EA SO2 1.3000 LB/MBTU FUEL OIL 1.2% SULFUR BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 664

ID NUMBER NC-0012

SOURCE TYPE CODE 7.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION CAMPBELL SOUP CO.

NAPOLEON, OH

DETERMINATION IS MADE BY A NEW SOURCE.
 PERMIT NO. 2335010105
 DETERMINATION MADE BY OHIO EPA - NMD (AGENCY)
 SAMIR ARAJ (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 03/20/81
 ESTIMATED DATE OF START-UP-- 1982
 (419)-352-6461 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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3 FLUIDIZED BED BOILERS	150000.00 LB/H STEAM	PH	0.1000 LB/HBTU BAGHOUSE	99.00
		SO2	1.6000 LB/HBTU LIMESTONE INJECTION	85.00
		NOX		

NOTES -----
 PERMIT CONDITIONS ALLOW INDICATED MAXIMA FOR PARTICULATE AND SO2 EMISSIONS ONLY IF THE STACK TESTS SHOW THAT THE LIMITS CANNOT BE ACHIEVED. THEY ALSO REQUIRE DECOMMISSIONING OF TWO EXISTING OIL FIRED BOILERS (CAPY. 160000 LB/H), AND INSTALLATION OF CONTINUOUS OPACITY MONITOR PER 40 CFR PART 60.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 665

ID NUMBER OH-0034

SOURCE TYPE CODE 7.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---

OTHER FOOD & AGRICULTURAL

243.00 MMBTU/H

COMPANY NAME/SITE LOCATION GENERAL FOODS CORP.

DOVER, DE

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. APC 83/074

DETERMINATION MADE BY DELEWARE DNR

(AGENCY)

HUGH MENGSHI

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/23/82

ESTIMATED DATE OF START-UP-- 1985

(302)-736-4791

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT ENITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

BOILER, COAL FIRED

243.00 MMBTU/H

SO2

3.0400 LB/MMBTU

2% S COAL

PH

0.1000 LB/MMBTU

ESP

NOX

0.7000 LB/MMBTU

FURNACE DESIGN

99.00

NOTES

BACT FOR SO2 DETERMINED BY FUEL AVAILABILITY AND ECONOMICS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 666

ID NUMBER DE-0005

SOURCE TYPE CODE 7.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION GRIFFIN INDUSTRIES

NEWSERRY, IN

DETERMINATION IS BACT
PERMIT NO.
DETERMINATION MADE BY:

INDIANA APCD
(AGENCY)

RICHARD WILLIAMSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(317)-633-0663
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER, COAL FIRED

NOX 183.0000 T/YR

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 667

ID NUMBER IN-0007

SOURCE TYPE CODE 7.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION HTC INDUSTRIES

SAN ANGELO, TX

TOM GREEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 8710

DETERMINATION MADE BY TEXAS ACB
(AGENCY)

GARY WALLIN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/30/81
ESTIMATED DATE OF START-UP-- 1982
(512)-451-5711
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BATCH COOKERS, 6

8000.00 LB EA

ODOR

100.0000 ODOR UNITS

VENTED TO BOILER FIRE BOXES

99.00

GAS/OIL FIRED BOILERS, 2

500.00 HP

NOX

0.3000 LB/H

CO

3.3000 LB/H

PM

0.7500 LB/H

SO2

5.4000 LB/H

PLANT AIR FROM 6 BATCH COOKERS

100000.00 ACFM

ODOR

100.0000 ODOR UNITS

HORIZONTAL, CROSSFLOW SCRUBBER

90.00

NOTES

ONE BOILER IS FOR STAND-BY OPERATION ONLY. POLLUTANT EMISSION RATES ARE FOR ONE BOILER, FIRING 100% NO. 2 FUEL OIL.

ANIMAL BY-PRODUCTS MUST BE FRESH.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 668

ID NUMBER TX-0093

SOURCE TYPE CODE 7.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION KNAPPEN VYLACTOS MOLASSES

ST. PAUL, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 181-81-I-1
DETERMINATION MADE BY

MINNESOTA PCA
(AGENCY)

JERRY LIEFERT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/07/81
ESTIMATED DATE OF START-UP-- 1981
(612)-296-7272
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

DRYING DRUM

14.50 T/H

PM

1.9400 T/YR

PARALLEL CYCLONES & INCIN.

BACT
98.00

SETTLING CHAMBER SEPARATION CYC 37000.00 CF/H

PM

FLUID BED CONVEYOR

7.50 T/H

PM

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 669

ID NUMBER MN-0005

SOURCE TYPE CODE 7.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

12.00 MMLB/YR DRY MILK

COMPANY NAME/SITE LOCATION LAND O' LAKES INC.

MOUNTAIN LAKE, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 7870-81-I-2
DETERMINATION MADE BY

MINNESOTA PCA
(AGENCY)

JERRY LIEFERT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/08/81
ESTIMATED DATE OF START-UP-- 1981
(612)-296-7272
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

SPRAY DRYER (MILK POWDER)

12.00 MMLB/H

PM

TRACE
1.0000 T/YR

BACT

BAGHOUSE
JET PULSE AIR CLEANING

99.60

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 670

ID NUMBER MN-0001

SOURCE TYPE CODE 7.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL
 COMPANY NAME/SITE LOCATION PACIFIC ADHESIVES COMPANY OF TEXAS
 FORT WORTH, TX TARRANT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 6690A
 DETERMINATION MADE BY TEXAS ACB
 (AGENCY) GARY WALLIN
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 09/02/82
 ESTIMATED DATE OF START-UP-- 1979
 (512)-451-5711
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLOOD DRYER, DRIED BLOOD HANDLI*	1300.00 LB/H DRIED *	PH	3.0000 T/YR BAG FILTER	90.00
BLOOD DRYER	1300.00 LB/H DRIED *	ODOR	CYCLONE, VENTURI, PACKED SCRUBBER	90.00

NOTES -----
 ORIGINAL PERMIT, 6690, WAS ISSUED TO A DIFFERENT OWNER ON 1/26/79. NO CHANGE IN POLLUTANT CONTROLS WAS REQUIRED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 18.00 BALE/H

COMPANY NAME/SITE LOCATION PRODUCERS COTTON OIL CO.
1/2 MILE EAST OF LASSEN AVE.

FRESNO, CA

DETERMINATION IS B/L FOR A MODIFIED SOURCE.

PERMIT NO.
DETERMINATION MADE BY FRESNO COUNTY APCD
(AGENCY)

WILLIAM RODDY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/20/80
ESTIMATED DATE OF START-UP-- 1980
(209)-445-3239
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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#2 CLEANER MOIST AIR FAN	18.00 BALE/H	PH	0.0145 GR/SCF 1D-3D CYCLONE COLLECTORS	
--------------------------	--------------	----	---	--

MOTES ROBBER (2ND CUT)	18.00 BALE/H	PH	0.0290 GR/SCF 1D-3D CYCLONE COLLECTORS	
------------------------	--------------	----	---	--

HG LINT CLEANER	18.00 BALE/H	PH	0.0007 GR/SCF 1D-3D CYCLONE COLLECTORS	
-----------------	--------------	----	---	--

MOTES	18.00 BALE/H	PH	0.0094 GR/SCF 1D-3D CYCLONE COLLECTORS	
-------	--------------	----	---	--

WAGON SUCTION	18.00 BALE/H	PH	0.0102 GR/SCF 1D-3D CYCLONE COLLECTORS	
---------------	--------------	----	---	--

NOTES -----
BOTH A BACT & A LAER DETERMINATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 672

ID NUMBER CA-0041

SOURCE TYPE CODE 7.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

248.00 MMBTU/H, 5, EA

COMPANY NAME/SITE LOCATION R. J. REYNOLDS

TOBACCOVILLE, NC

DETERMINATION IS BACT FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE--

ESTIMATED DATE OF START-UP--

(1919)-727-8060

(PHONE)

KEITH TART

(AGENCY CONTACT PERSON)

FORSYTH COUNTY ENV. AFFAIRS

(AGENCY)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

BOILER, PULVERIZED COAL FIRED, 5 248.00 MMBTU/H EA

PH	0.0500	LB/MMBTU	BACT
BE	0.0004	GM/MMBTU	99.50
PB	0.0009	GM/MMBTU	BACT
SO2	1.2000	LB/MMBTU	99.50
NO2	0.7000	LB/MMBTU	NSPS
FLU*	0.0048	LB/MMBTU	NSPS
HG	0.0030	GM/MMBTU	BACT
CO	0.0370	LB/MMBTU	BACT
VOC	0.0110	LB/MMBTU	BACT
PH	0.0400	LB/T	BACT
		BAGHOUSE	99.90
		H2O SPRAY	
FUG*	0.1100	GR/T	LAER
		PARTIAL ENCLOSURE & CHEM. SPRAY	97.00

ASH HANDLING

2.20 T/H

UNLOADING COAL FROM RAIL CARS

254040.00 T/YR

(CONTINUED) R. J. REYNOLDS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL STOR/SE PILE	254040.00 T/YR	FUG*	0.0130 LB/T STACKER/TELESCOPIC CHUTE/CHEN. STAB.	BACT 96.00
CIGARETTE MFG	37.50 T/H	PM	0.2500 LB/T BAGHOUSE & WET SCRUBBER	BACT 99.90
		FUG*	0.2100 LB/T	BACT
		VOC	11.6300 LB/T PROCESS CHANGE	74.00
VEHICLE TRAFFIC	2275.00 VEH/D	FUG*	7.2000 LB/D FLUSHING/SPEED REDUCTION/PAVING	88.00

NOTES -----
PSD APPLICATION IS BEING REVIEWED AT PRESENT AND NO PERMITS HAVE BEEN ISSUED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 674

ID NUMBER NC-0027

SOURCE TYPE CODE 7.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 302.60 MMBTU/H

COMPANY NAME/SITE LOCATION R. J. REYNOLDS TOBACCO CO. WINSTON-SALEM, NC
FOURTH & PATTERSON AVE

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 03/09/79
PERMIT NO. 00405-0004-P ESTIMATED DATE OF START-UP-- 1979
DETERMINATION MADE BY FOSYTH COUNTY ENV. AFFAIRS KEITH TART (919)-727-8060
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

BOILER	THROUGHPUT CAPACITY	POLLUTANT EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
	302.60 MMBTU/H	PM	0.1000 LB/MMBTU ESP	B/L 99.80
		SO2	1.2000 LB/MMBTU LOW S FUEL	B/L
		NO2	0.7000 LB/MMBTU COMBUSTION CONTROLS	B/L
		VE	20.0000 % OPACITY ESP	LAER 99.80

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 675

ID NUMBER NC-0025

SOURCE TYPE CODE 7.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION 160500.00 T/YR

COMPANY NAME/SITE LOCATION ALCOA NC 740 BOX 576 BADIN, NC STANLY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 05/20/81
 PERMIT NO. NC 078 ESTIMATED DATE OF START-UP-- 1982
 DETERMINATION MADE BY NORTH CAROLINA DEM (919)-733-6126
 (AGENCY) MIKE SEWELL (PHONE)
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

ANODE PRODUCTION 105260.00 T/YR PH 9.0000 LB/H
 SO2 13.0000 LB/H
 VOC 5.0000 LB/H

POT LINE 3 54500.00 T/YR PH 26.0000 LB/H FABRIC FILTER
 SO2 321.0000 LB/H
 FLUM 12.0000 LB/H DRY SCRUBBER
 CO2 1444.0000 LB/H

BACT
 BACT
 BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION 612.00 T/D

COMPANY NAME/SITE LOCATION ALCOA WENATCHEE, WA

DETERMINATION IS FOR A MODIFIED SOURCE.
 PERMIT NO. (REGION FILE NO.) PSD-X82-04
 DETERMINATION MADE BY EPA REGION X
 (AGENCY) PAUL BOYS
 (AGENCY CONTACT PERSON) (206)-442-1106
 (PHONE) DATE OF PERMIT ISSUANCE-- 02/12/82
 ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS
 CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
 ... PCT EFF

POTLINES 1,2,3 344.00 T/D SO2 3.0000 % S IN COKE
 46.0000 LB/T ALUMINUM
 LIM. S CONTENT IN COKE, RAW

NOTES
 THIS IS A MODIFICATION OF THE AIR POLLUTION CONTROL SYS ONLY. THERE WAS NO CHANGE IN PRODUCTION. THE STATE OF WASHINGTON REQUI
 RED UP-GRADING THE APC SYS FROM A WET SCRUBBER TYPE TO THE A-398 DRY ALUMINA ABSORPTION & BAGHOUSE IN ORDER
 TO IMPROVE CONTROL OF FLUORIDES AND PARTICULATE. THIS MODIFICATION RESULTED IN AN INCREASE IN SO2.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 677

ID NUMBER WA-0003

SOURCE TYPE CODE 8.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION

COMPANY NAME/SITE LOCATION ALRECO METALS CO.
ARTHUR MENDEL ROAD

BENTON HARBOR, MI 49022

BERRIEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 342-344-81
DETERMINATION MADE BY MICHIGAN DNR
(AGENCY)

DATE OF PERMIT ISSUANCE-- 09/15/81
ESTIMATED DATE OF START-UP-- 1982
(517)-322-1333
(PHONE)

DAVID FERRIER
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

AL. HOLDING FURNACE

140000.00 LB

SO2

0.5200 LB/MMBTU
.5% SULFUR OIL

AL. REVERB. FURNACE, 3 EA

200000.00 LB

FLU*

2.5000 MG/CU METER

SO2

0.5200 LB/MMBTU

PH

0.0300 LB/HLB EXHAUST

CL

3.0000 MG/CU METER

PH

0.0400 LB/HLB EXHAUST

FABRIC FILTER
FABRIC FILTER

SHREDDING OPERATION & DRYER

99.90

99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 676

ID NUMBER MI-0002

SOURCE TYPE CODE 8.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

220000.00 T/YR

PRIMARY ALUMINUM PRODUCTION

SOURCE TYPE/SIZE---

COMPANY NAME/SITE LOCATION ALUMAX PACIFIC CORP.

UMATILLA, OR

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30-0074
DETERMINATION MADE BY OREGON DEQ
(AGENCY)

DATE OF PERMIT ISSUANCE-- 01/20/83
ESTIMATED DATE OF START-UP--
(503)-229-5186
(PHONE)

LLOYD KOSTOM
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS ... & BASIS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

ENTIRE PLANT 220000.00 T/YR

5.4000 LB/T MONTHLY AV
5.0000 LB/T ANNUAL AV

PSD

1.3000 LB/T MONTHLY AV
1.0000 LB/T ANNUAL AV
BAGHOUSE
DRY SCRUBBER

BACT

ANODE COKE

3.0000 %
SULFUR LIMIT IN COKE

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 679

ID NUMBER OR-0002

SOURCE TYPE CODE 8.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION

COMPANY NAME/SITE LOCATION ARCO ALUMINUM
P.O. BOX 44

HENDERSON, KY 42420

DETERMINATION IS BASED FOR A MODIFIED SOURCE.
PERMIT NO. C-83-48
DETERMINATION MADE BY KENTUCKY DAPC
(AGENCY)

BILL DILLS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/18/83
ESTIMATED DATE OF START-UP--
(502)-564-3362
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
-------------------------------------	------------------------	----------------------	--	----------------------------

UNREACTED ORE STORAGE, 3 TANKS

PM	0.7100 LB/H	BAGHOUSE	99.00
PM	0.5800 LB/H	BAGHOUSE	99.00
PM	1.4000 LB/H	BAGHOUSE	99.00

AL REDUCTION POTROOM LINES, 4 7.20 T/H ORE

PM	1.9000 LB/T AL	BAGHOUSE	
SO2	358.8000 LB/H	FUEL, S CONTENT	
F	64.1000 T/YR	SCRUBBER	
VE	10.0000 % OPACITY		

BUTTS SURGE TANKS, 2
ANODE BUTTS CLEANING

PM	0.8600 LB/H		87.40
PM	2.0000 LB/H		

(CONTINUED) ARCO ALUMINUM					... & BASIS	
PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... PCT EFF		
ANODE BUTTS STRIP & CRUSHER	40.00 T/H OUTPUT	PM	3.3000 LB/H			
CENTRAL BUTTS PROCESSING	30.00 T/H OUTPUT	PM	3.6000 LB/H			
POT DEMOLITION		PM	8.6000 LB/H			
CYOLITE BATH CRUSHER		PM	12.9000 LB/H			
BATH STG. BIN		PM	5.1000 LB/H			
COKE BALL MILL		PM	0.8600 LB/H			
COKE CRUSHING		PM	1.3000 LB/H			
COKE FINISH & HANDLING		PM	1.2000 LB/H			
ANODE/CATHODE MIXERS	16.00 T/H	PM	0.9400 LB/H			
ANODE MIXERS, 3		PM	0.5400 LB/H			
GREEN ANODE SCRAP STG.		PM	5.1000 LB/H			
COKE PACKING & CONVEYING		PM	0.9900 LB/H			
FLUID COKE CONVEYING & DIST.		PM	0.8600 LB/H			

(CONTINUED) ARCO ALUMINUM

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECTRIC ARC FURNACES, 4		PM	2.8000 LB/H	
ANODE ROD & STUB CLEANING		PM	1.0000 LB/H	
HOLDING FURNACES, 5		PM	0.3700 LB/H	
		SO2	0.0200 LB/H	
		CO	0.6300 LB/H	
		NOX	6.7000 LB/H	
		VOC	0.1100 LB/H	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 682

ID NUMBER KY-0017

SOURCE TYPE CODE 8.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION

COMPANY NAME/SITE LOCATION COASTAL ALUMINUM

WALLACE, SC

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. SC-036

DETERMINATION MADE BY

SOUTH CAROLINA DHEC
(AGENCY)

DAVID FLEMING
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/21/80
ESTIMATED DATE OF START-UP--
(803)-758-5406
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

WHOLE PLANT

PM 14.7000 LB/H
ESP

FLU*

WET SCRUBBER

BACT

ANDRE BAKE OVENS, 2 EA

VOC 11.7700 LB/H
SO2

0.8% S LIMIT ON FUEL

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 683

ID NUMBER SC-0012

SOURCE TYPE CODE 8.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION 277000.00 T/YR

COMPANY NAME/SITE LOCATION AIRCO CARBIDE (DIV OF AIRCO, INC.) CALVERT CITY, KY 42029 MARSHALL COUNTY
HWY 1523

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 08/12/81
PERMIT NO. C-81-42 ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY KENTUCKY DAPC (502)-564-3362
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
TO THIS PERMIT EMITTED ... PCT EFF

RAW MATERIAL HANDLING	367000.00 T/YR	PM	8.2100 T/YR	NET SUPPRESSION + ENCLOSURES + CYCLONES	LAER
					97.00
ROTARY KILN	277000.00 T/YR	PM	1.3300 T/YR	HOODING + INCINERATOR	LAER
		S02	243.2000 T/YR	SCRUBBER	99.90
		CO	20.5100 T/YR	INCINERATOR	BACT
		NOX	21.0700 T/YR	INCINERATOR	93.50
		VOC	35.6200 T/YR	INCINERATOR	SIP
PRODUCT HANDLING	277000.00 T/YR	PM	6.0400 T/YR	HOODING, BAGHOUSES	99.90
					99.50
					LAER
					99.00

NOTES -----
THIS EQUIPMENT WILL NOT BE CONSTRUCTED. PERMIT HAS EXPIRED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 684 ID NUMBER KY-0002 SOURCE TYPE CODE 8.2

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---- COKE PRODUCTION 1400000.00 T/YR

COMPANY NAME/SITE LOCATION BETHLEHEM STEEL CORP.
SPARROWS POINT PLANT SPARROWS PT., MD 21219 BALTIMORE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79MD03 DATE OF PERMIT ISSUANCE-- 08/06/79
DETERMINATION MADE BY EPA REGION III ESTIMATED DATE OF START-UP-- 1980
(AGENCY) ED VOLLBERG (215)-597-8179
(AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

OVENS, 80	1.40 MMT/YR COAL	SO2	26.0000 LB/H	S IN FUEL LIM. TO 1.0% BY WT.	BACT
CHARGING		PM	0.0005 LB/T		LAER
DOORS		PM	0.0500 LB/T		LAER
PUSHING		PM	0.0300 LB/T		LAER
			0.0300 GR/DSCF		
QUENCHING		PM	0.3090 LB/T		LAER
STAND PIPES		PM	0.3000 LB/T		LAER
UNDERFIRE		PM	0.1200 LB/T		LAER
			0.0150 GR/DSCF		

NOTES -----
DETERMINATION FOR SOURCE IS BACT/LAER

PSD PERMIT RESCINDED - EMISSION REDUCTIONS RESULTING FROM SHUTDOWN OF BATTERIES 7,8,9,10 OFFSET EMISSIONS FROM NEW COKE OVEN B

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 685 ID NUMBER MD-0006 SOURCE TYPE CODE 8.2

ATTERY

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER MD-0006

SOURCE TYPE CODE 8.2

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

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=====
SOURCE TYPE/SIZE--- COKE PRODUCTION 763.00 T/D COKE
-----
COMPANY NAME/SITE LOCATION GRANITE CITY STEEL GRANITE CITY, IL MADISON COUNTY
-----
DETERMINATION IS LAER FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/01/81
PERMIT NO. C808048 ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY ILLINOIS EPA (217)-782-2113
(AGENCY) (PHONE)
CHRIS ROMAINE
(AGENCY CONTACT PERSON)
=====
PROCESSES SUBJECT TO THIS PERMIT EMISSION LIMITS ... & BASIS
THROUGHPUT CAPACITY CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
COKE OVENS, PUSHING 763.00 T COKE/D PH 0.0400 LB/T COKE LAER
ENCLOSED QUENCH CAR/SCRUB SYS.
INVEN OF PARTS, MAINTEN PROCED LAER
BATTERY STACK VDC LAER
PH 0.0150 GR/DSCF LAER
LIDS PH 1.0000 % OF LIDS LAER
VE FROM NO MORE THAN 1% OF LIDS LAER
VDC LAER
DOORS PH 5.0000 % OF OVENS LAER
DESIGN & PARTS INVENTORY
VE FROM NO MORE THAN 5% OF OVENS LAER
CHARGING VDC 55 $ TOT. FOR 5 CONSEC. CHARGES LAER
PH LAER
VOC LAER

```

(CONTINUED) GRANITE CITY STEEL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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OFFTAKE PIPING

PM	4.0000 % OF PIPING	LAER
VOC	VE FROM NO MORE THAN 4% OF PIPING	LAER

NOTES

LAER LIMITS WERE ESTABLISHED AS PART OF A CONSENT DECREE BETWEEN IEPA, USEPA, & NATIONAL STEEL. EMISSION LIMITS BASED ON FUGITIVE PARTICULATE CONTROL ARE ALSO PRESUMED TO MINIMIZE ORGANIC MATTER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER IL-0014

SOURCE TYPE CODE 8.2

APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- COKE PRODUCTION 790.00 T/D COKE
 COMPANY NAME/SITE LOCATION GRANITE CITY STEEL GRANITE CITY, IL MADISON COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
 PERMIT NO. 81 01 0067
 DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
 CHRIS ROMAIN (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 10/01/81
 ESTIMATED DATE OF START-UP-- (217)-782-2113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

COKE OVENS, PUSHING 790.00 T COKE/D
 PM 0.0400 LB/T COKE LAER
 VOC ENCLOSED QUENCH CAR/SCRUB SYS. LAER
 BATTERY STACK INVEN OF PARTS, MAINTEN PROCED LAER
 LIDS PM 0.0150 GR/DSCF LAER
 PM 1.0000 % OF LIDS LAER
 VOC VE FROM NO MORE THAN 1% OF LIDS LAER
 DOORS PM 5.0000 % OF OVENS LAER
 DESIGN & PARTS INVENTORY LAER
 VOC VE FROM NO MORE THAN 5% OF OVENS LAER
 CHARGING PM 55 S TOT. FOR 5 CONSEC. CHARGES LAER
 VOC

(CONTINUED) GRANITE CITY STEEL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
-------------------------------------	------------------------	----------------------	--	----------------------------

OFFTAKE PIPING

PH	4.0000 % OF PIPING	LAER
VOC	VE FROM NO MORE THAN 5% OF PIPING	LAER

NOTES -----
 LAER LIMITS WERE ESTABLISHED AS PART OF A CONSENT DECREE BETWEEN IEPA, USEPA, & NATIONAL STEEL. EMISSION LIMITS BASED ON FUGITIVE PARTICULATE CONTROL ARE ALSO PRESUMED TO MINIMIZE ORGANIC MATERIAL EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 690

ID NUMBER IL-0015

SOURCE TYPE CODE 8.2

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION

COMPANY NAME/SITE LOCATION INLAND STEEL CO.

EAST CHICAGO, IN

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. PC(45)1445
DETERMINATION MADE BY INDIANA APCD
(AGENCY)

DATE OF PERMIT ISSUANCE-- 09/22/80
ESTIMATED DATE OF START-UP--
(317)-633-0664
(PHONE)

TERRY HOYA
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... 1 BASIS
... PCT EFF

PRE-CARBONIZATION EMISSIONS

UNDERFIRE EMISSIONS

PH 0.0310 GR/DSCF
20.0000 % OPACITY

PH 0.1000 LB/MMBTU
502 SEE NOTES

COKE OVEN GAS DESULFURIZATION

S02 0.3500 GR/100 CF H2S

PUSHING OPERATION

PH 0.0200 LB/T COKE

OVEN DOORS

VE NOT PERMIT. FROM>10% OF OV. DR

NOTES -----

UNDERFIRE FUEL IS LIMITED TO NATURAL GAS, DESULFURIZED COKE OVEN GAS, OR BLAST FURNACE GAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 691

ID NUMBER IN-0012

SOURCE TYPE CODE 8.2

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION

COMPANY NAME/SITE LOCATION MARTIN MARIETTA CORP. WILMINGTON, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. (REGION FILE NO.) LA 80-03
 DETERMINATION MADE BY EPA REGION IX
 (AGENCY)

DENNIS BEAUREGARD
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/11/80
 ESTIMATED DATE OF START-UP--
 (415)-974-8236
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

CALCINING FACILITY 51.40 T/H 502 131.0000 LB/H 2.5500 LB/T GREEN COKE 86.00
 SODIUM ALKALI SCRUB. SYS

NOTES -----
 BACT IS DETERMINED BY "STATE OF THE ART" TECHNOLOGY AND ECONOMICS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

210000.00 T/YR

COKE PRODUCTION

SOURCE TYPE/SIZE---

COMPANY NAME/SITE LOCATION PENNSYLVANIA COKE TECHNOLOGY, INC.

LESTER, WV

RALEIGH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 804V04
DETERMINATION MADE BY

EPA REGION III
(AGENCY)

VERNON BUTLER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/06/81
ESTIMATED DATE OF START-UP-- 1983
(215)-597-2711
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

COMBUSTION STACK

210000.00 T/YR

PM

20.2000 LB/H

AFTERBURNER

SO2

161.1000 LB/H

LOW SULFUR COAL FEED

NOX

785.0000 LB/H

FUGITIVE TSP

PM

BACT
90.00
BACT
BACT
BACT
BACT

NOTES

0.7% S COAL FEED USED TO LIMIT SO2 EMISSIONS. TECHNOLOGY & AIR QUALITY CONSIDERED. 50% INCREMENT CONSUMED. PLANT WOULD BE PROT
OTYPE. OPACITY REQUIREMENTS FOR TSP.
PROJECT HAS NOT COMMENCED CONSTRUCTION. STATE PERMIT HAS NOT BEEN CANCELLED YET.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION 760.00 T/D
 COMPANY NAME/SITE LOCATION REPUBLIC STEEL CORP. CLEVELAND, OH CUYAHOGA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 13-083
 DETERMINATION MADE BY CLEVELAND DAPC IKRAM HABIB DATE OF PERMIT ISSUANCE--
 (AGENCY) (AGENCY CONTACT PERSON) (216)-664-3508 ESTIMATED DATE OF START-UP--
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PUSHING OPERATION	32.00 T/H COKE PP*	PM	0.0600 LB/T COKE PUSHED KOPPER, QUENCH CAR W/ATT SCRUB	90.00
CHARGING HOLE LIDS	32.00 T/H COKE PR*	PM	2.0000 % OF LIDS LARRY CAR W/STAGE CHARGING	
OFFTAKE PIPING	32.00 T/H COKE PR*	PM	5.0000 % OF PIPES	
COKE OVEN DOORS	32.00 T/H COKE PR*	PM	10.0000 % OF DOORS	
WASTE GAS STACK	32.00 T/H COKE PR*	PM	0.0300 GR/SCF DESULFURIZATION PLANT	
METALLURGICAL COKE MFG.	32.00 T/H COKE PR*	H2S	35.0000 GR/100 DSCF OPERATING & MAINTEN. PROCED.	

NOTES -----
 FED./STATE/LOCAL LAWS AND CONSENT ORDERS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERROALLOY PRODUCTION

COMPANY NAME/SITE LOCATION CABOT CORP.

KOKOMO, IN

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. PC(34)1482
DETERMINATION MADE BY INDIANA APCD
(AGENCY)

RICHARD WILLIAMSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/05/80
ESTIMATED DATE OF START-UP--
(317)-633-0663
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SLAB CUT OFF	PM	20.0000 T/YR	BAGHOUSE	LAER 99.00
ROUGH GRIND	PM	20.0000 T/YR	BAGHOUSE	LAER 99.00
GRIT BLAST OPERATION	PM	20.0000 T/YR	BAGHOUSE	LAER 99.00

LAER 99.00

LAER 99.00

LAER 99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 695

ID NUMBER IN-0011

SOURCE TYPE CODE 8.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 95.00 MT/YR MELT

COMPANY NAME/SITE LOCATION ARNCO STEEL CORP. BALTIMORE, MD 21203 BALTIMORE CITY COUNTY
P.O. BOX 1697

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 12/12/79
PERMIT NO. 79MD02 ESTIMATED DATE OF START-UP-- 1980
DETERMINATION MADE BY EPA REGION III (215)-597-8990
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

ELECT. ARC FURNACE 95.00 MT/YR MELT PH 0.0052 GR/DSCF 38.0000 LB/D BAGHOUSE BACT 99.90

NOTES -----
EMISSION LIMIT IS BASED ON NSPS. SOURCE IS NOT PSD UNDER NEW DEFINITION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 696 ID NUMBER MD-0009 SOURCE TYPE CODE 8.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 145.50 MCF/H

COMPANY NAME/SITE LOCATION BAYOU STEEL LAPLACE, LA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-LA-066
DETERMINATION MADE BY EPA REGION VI
(AGENCY)
JOHN BUNYAK
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/30/78
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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DUST CONTROL

ELECT. ARC FURNACES, 2	145.50 MCF/H	SO2	0.2000 LB/H	NET SPRAY/ENCLOSED
		PM	9.6800 LB/H	
		SO2	0.0900 LB/H	
		PM	2.1900 LB/H	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

1.20 MM/1/1R STEEL

COMPANY NAME/SITE LOCATION BETHLEHEM STEEL CORP.

JOHNSTOWN, PA

CAMBRIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 79PA07

DETERMINATION MADE BY

EPA REGION III

(AGENCY)

BOB BLASZCZAK

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/03/79

ESTIMATED DATE OF START-UP--

(215)-597-8186

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

ELECT. ARC FURNACE

PH 0.0020 GR/DSCF

8.5000 LB/H

BAGHOUSE

CO

140.0000 LB/H

DESULFURIZATION

PH

0.0010 GR/DSCF

0.1200 LB/H

BAGHOUSE

MATERIAL HANDLING

PH

0.0010 GR/DSCF

0.5500 LB/H

BAGHOUSE

ELECT. ARC FURNACE SHOP

PH

0.0000 % OPACITY

ROOF CANOPY COLLECTION

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 698

ID NUMBER PA-0017

SOURCE TYPE CODE 8.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION CAMERON IRON WORKS
P.O. BOX 1212

HOUSTON, TX 77001

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-233
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/22/80
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

VAC. ARC DEGREASING/VAC. 02 DEC* 50.00 T/HEAT CO

CO

8.0000 LB/H VAD
700.0000 LB/H VOC

PROCESS CONTROL

BACT

NOTES

ONLY 1 PROCESS CAN BE OPERATED AT ONE TIME (VAD OR VOD). MAX. # OF HEATS TO BE PROCESSED THRU THE VAD/VOD FURNACE WILL BE 3 HE
AT/DAY FOR VOC AND 7 HEATS/DAY FOR VOD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 699

ID NUMBER TX-0072

SOURCE TYPE CODE 8.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 800000.00 T/YR

COMPANY NAME/SITE LOCATION CHAPANAL STEEL CO. MIDLOTHIAN, TX ELLIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 01/31/80
 PERMIT NO. PSD-TX-138 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY EPA REGION VI (214)-767-1594
 (AGENCY) JOHN BUNYAK (PHONE)
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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AUTO SHREDDER PRIMARY COLLECTION*	80.00 MT/YR	PM	10.0000 LB/H FABRIC FILTER DUST COLL.	99.90
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AUTO SHREDDING SECOND. & TERTIA*		PM	13.0000 LB/H	
ELECT. ARC FURNACES, 2		CO	855.0000 LB/H EA LEA, PROPER OPERATION	
		PM	15.6000 LB/H EA BAGHOUSE	NSPS 95.00

BILLET HEAT FURNACES, 2		CO	4.8000 LB/H EA LEA, PROPER OPERATION	
		PM	1.9000 LB/H EA NONE	

MELT SHOP ROOF MONITORS, 2		CO	45.0000 LB/H EA LEA, PROPER OPERATION	
		PM	26.4000 LB/H EA BAGHOUSE	97.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 71.00 T/H

COMPANY NAME/SITE LOCATION FLORIDA STEEL CORP.

BALDWIN, FL

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-FL-074

FLORIDA DER
(AGENCY)

BRUCE MITCHELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/03/83
ESTIMATED DATE OF START-UP-- 1982
(904)-488-1344
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

FURNACE

71.00 T/H

PH	0.0052 GR/DSCF	
	BAGHOUSE	98.00
SO2	20.0000 LB/H	
CO	58.5000 LB/H	
	AFTERBURNER	95.00
NOX	1.1000 LB/H	
VE	20.0000 % OPACITY	
VE	40.0000 % OPACITY	
VE	3.0000 % OPACITY	

SHOP ROOF-CHARGING CYCLE

SHOP ROOF-TAPPING CYCLE

BAGHOUSE EFFLUENT

NOTES

NSPS SUBPART AA, PRODUCTION INCREASE FROM 32 TO 65 BILLET TON PER HOUR STEEL PRODUCT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 701

ID NUMBER FL-0031

SOURCE TYPE CCDE 8.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

200000.00 LB/H

COMPANY NAME/SITE LOCATION FLORIDA STEEL CORP.

JACKSON, TN

MADISON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE--

PERMIT NO. DETERMINATION MADE BY

ESTIMATED DATE OF START-UP--

MERVAT AHMED

TENNESSEE APC

(615)-741-3651

(PHONE)

(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

DIRECT ARC MELTING FURNACE & LI* 149300.00 LB/H

PH 0.0052 GR/SCF

B/N

CO 1343.7000 LB/H

99.90 BACT

REHEAT FURNACE

200000.00 LB/H

PH 16.0000 LB/H

BACT

S02 193.6000 LB/H

BACT

1% S FUEL

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 702

ID NUMBER TN-0011

SOURCE TYPE CODE 8.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 71.00 T/H

COMPANY NAME/SITE LOCATION FLORIDA STEEL CORP.

BALDWIN, FL

DETERMINATION IS BACK FOR A MODIFIED SOURCE.

PERMIT NO. PSD-FL-074

DETERMINATION MADE BY

FLORIDA DER
(AGENCY)

BRUCE MITCHELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/03/83
ESTIMATED DATE OF START-UP-- 1982
(904)-488-1344
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

FURNACE

71.00 T/H

PH

0.0052 GR/DSCF
BAGHOUSE

SO2

20.0000 LB/H

CO

58.5000 LB/H

NOX

1.1000 LB/H
AFTERBURNER

SHOP ROOF-CHARGING CYCLE

VE

20.0000 % OPACITY

SHOP ROOF-TAPPING CYCLE

VE

40.0000 % OPACITY

BAGHOUSE EFFLUENT

VE

3.0000 % OPACITY

98.00

95.00

NOTES

NSPS SUBPART AA, PRODUCTION INCREASE FROM 32 TO 65 BILLET TON PER HOUR STEEL PRODUCT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 701

ID NUMBER FL-0031

SOURCE TYPE CODE 8.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 200000.00 LB/H
 COMPANY NAME/SITE LOCATION FLORIDA STEEL CORP. JACKSON, TN MADISON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. DATE OF PERMIT ISSUANCE--
 DETERMINATION MADE BY TENNESSEE APC ESTIMATED DATE OF START-UP--
 (AGENCY) (615)-741-3651
 (PHONE)
 HERVAT AHMED
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

DIRECT ARC MELTING FURNACE & LI* 149300.00 LB/H
 REHEAT FURNACE 200000.00 LB/H
 PH 0.0052 GR/SCF FABRIC FILTERS
 CO 1343.7000 LB/H
 PH 16.0000 LB/H
 SO2 193.6000 LB/H
 1% S FUEL
 B/N 99.90 BACT
 BACT BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION KENTUCKY ELECTRIC STEEL CO. COALTON, KY

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
 PERMIT NO. C8076
 DETERMINATION MADE BY KENTUCKY DAPC (AGENCY)
 BILL DILLS (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 09/18/80
 ESTIMATED DATE OF START-UP-- 1982
 (502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE A	20.00 T/H	PM	1.6500 LB/H 24.3000 T/YR BAGHOUSE	99.60
FURNACE B	20.00 T/H	PM	1.6500 LB/H 24.3000 T/YR BAGHOUSE	99.60

NOTES
 TO REPLACE 3 EXISTING FURNACES. COMMON FABRIC FILTER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 50.00 T/H IRON
 COMPANY NAME/SITE LOCATION LUFKIN INDUSTRIES, INC. LUFKIN, TX ANGELINA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. (REGION FILE NO.) PSD-TX-379
 DETERMINATION MADE BY EPA REGION VI (AGENCY)
 TOM DIGGS (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 05/26/81
 ESTIMATED DATE OF START-UP-- (214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

CUPOLA 50.00 T/H IRON CO 9.0000 LB/T IRON 3 STACK AFTERBURNERS BACT 94.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 40.00 T/H

COMPANY NAME/SITE LOCATION ROANOKE ELECT. STEEL CO. ROANOKE, VA ROANOKE CITY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 78VA06 DATE OF PERMIT ISSUANCE-- 03/27/80

DETERMINATION MADE BY EPA REGION III ESTIMATED DATE OF START-UP-- 1983

(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

FURNACE, ELECT. ARC, UNIT #4 40.00 T/H PM 0.0052 GR/SCF BAGHOUSE NSPS 99.70

NOTES

PM OPACITY LIMITS ALSO GIVEN.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION STD SLAG CO., REPUB. STEEL CORP., #6 BL* CLEVELAND, OH CUYAHOGA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 13-1005
 DETERMINATION MADE BY CLEVELAND DAPC
 (AGENCY)
 DANIEL NORTON
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 08/19/82
 ESTIMATED DATE OF START-UP-- 1983
 (216)-664-3508
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

SLAG COOLING 100.00 T/D PH 0.5000 LB/T SLAG
 H2S 0.2160 LB/T SLAG BACT

NOTES -----
 INNOVATIVE TECHNOLOGY - PELLETIZATION WITH ROTARY DRUM & WATER SPRAY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 706

ID NUMBER OH-0042

SOURCE TYPE CODE 8.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

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=====
SOURCE TYPE/SIZE---      IRON & STEEL PRODUCTION      1.10 MM/HR
=====
COMPANY NAME/SITE LOCATION THE TIMKEN CO.
=====
CANTON, OH
=====
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 1576051246
DETERMINATION MADE BY CANTON APCD
                        (AGENCY)
BRUCE BLANKENSHIP
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/21/81
ESTIMATED DATE OF START-UP-- 1985
(216)-489-3385
(PHONE)
=====
PROCESSES SUBJECT TO THIS PERMIT
=====
ELECT. ARC FURN      1.10 MM/HR      99.65
                        PH      0.0052 GR/DSCF
                        CO      0.9000 LB/T STEEL
                        FURNACE DESIGN
DEGASSER-REFINER
CONTINUOUS CASTER
LADLE DRYER      20.00 MM/HR
LADLE PREHEATER      20.00 MM/HR
                        NOX      0.2500 LB/MMBTU
                        BURNER CONTROL #2 OIL
=====
EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF
=====

```

(CONTINUED) THE TIMKEN CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TUNDISH PREHEATER	20.00 MMBTU/H	CO	0.0400 LB/MMBTU BURNER CONTROL #2 OIL	
MELT SHOP BINS AND TRUCK DUMP		PH	0.0100 GR/DSCF BAGHOUSE	99.00
HOT SCARFING		PH	0.0100 GR/DSCF WET ESP	98.00
BILLET GRINDERS, 6 EA		PH	0.0200 GR/DSCF BAGHOUSE	99.00
SOAKING PIT	320.00 MMBTU/H	PH	0.0200 LB/MMBTU	
		SO2	0.5500 LB/MMBTU	
		NOX	BURNER CONTROL #2 OIL	
		NOX	0.2500 LB/MMBTU	
		NOX	BURNER CONTROL #2 OIL	
		CO	0.0400 LB/MMBTU	
		CO	BURNER CONTROL #2 OIL	
REHEAT FURNACE	120.00	PH	0.0200 LB/MMBTU	
		SO2	0.5500 LB/MMBTU	
		NOX	BURNER CONTROL #2 OIL	
		NOX	0.2500 LB/MMBTU	
		NOX	BURNER CONTROL #2 OIL	
		CO	0.0400 LB/MMBTU	
		CO	BURNER CONTROL #2 OIL	
MERCHANT MILL FURNACE	82.50 MMBTU/H	PH	0.0200 LB/MMBTU	
		SO2	BURNER CONTROL #2 OIL	
		SO2	0.5500 LB/MMBTU	
		NOX	BURNER CONTROL #2 OIL	
		NOX	0.2500 LB/MMBTU	
		NOX	BURNER CONTROL #2 OIL	
		CO	0.0400 LB/MMBTU	
		CO	BURNER CONTROL #2 OIL	

(CONTINUED) THE TIMKEN CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
-------------------------------------	------------------------	----------------------	--	----------------------------

TUBE MILL

PM	0.0200 LB/MMBTU BURNER CONTROL #2 OIL
SO2	0.5500 LB/MMBTU BURNER CONTROL #2 OIL
NOX	0.2500 LB/MMBTU BURNER CONTROL #2 OIL
CO	0.0400 LB/MMBTU BURNER CONTROL #2 OIL

40.00 MMBTU/H

BOILERS, 3 EA.

PM	0.0200 LB/MMBTU BURNER CONTROL #2 OIL
SO2	0.5500 LB/MMBTU BURNER CONTROL #2 OIL
NOX	0.2500 LB/MMBTU BURNER CONTROL #2 OIL
CO	0.0400 LB/MMBTU BURNER CONTROL #2 OIL

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER OH-0022

SOURCE TYPE CODE 8.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 500.00 MLB/H
 COMPANY NAME/SITE LOCATION U.S. STEEL/DUQUESNE WORKS PITTSBURGH, PA ALLEGHENY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 78PA18
 DETERMINATION MADE BY EPA REGION III (AGENCY)
 BOB BLASZCZAK (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 07/06/79
 ESTIMATED DATE OF START-UP-- (215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

IRON DESULFURIZATION FACILITY 500.00 MLB/H PH 4.8000 LB/H FABRIC FILTER BACT 99.30

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION YOUNGSTOWN STEEL CORP.

STRUTHERS, OH

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 0250090622/02-843
DETERMINATION MADE BY EPA REGION V
(AGENCY)

BONIFACE THAYIL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(312)-886-6054
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

... & BASIS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

EAF & CONTINUOUS CASTER

70.00 T/HEAT

PH

0.0052 GR/DSCF

NSPS

NOTES -----

COMPANY TO NOTIFY OF DATES OF CONSTRUCTION, STARTUP (ANTICIPATED AND ACTUAL) AND DATE OF PERFORMANCE TESTING TO NSPS REGS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER OH-0021

SOURCE TYPE CODE 8.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

=====

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

10500.00 T HYDRAULIC PRESS

COMPANY NAME/SITE LOCATION ALUMINUM CO. OF AMERICA
1600 HARVARD AV.

CUYAHOGA MTS, OH

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. P104
DETERMINATION MADE BY CLEVELAND DAPC
(AGENCY)

RUDY ZUPAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1983
(216)-664-3508
(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS	... PCT EFF
HYDRAULIC PRESSES	15750.00 LB/H	PM	1.2000 LB/H 0.0014 GR/DSCF ELECTRIFIED GRAVEL FILTER BED ESP	90.00

=====

NOTES -----
INCOMPLETE COMBUSTION OF THE DIE LUBRICANTS MAY RESULT IN VOC EMISSIONS. CONTROL EFFICIENCY OF THIS SYSTEM ON VOC EMISSIONS IS
NOT KNOWN AT PRESENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER OH-0046

SOURCE TYPE CODE 8.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION BARNET OF KENTUCKY, INC.

, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. C-83-039

DETERMINATION MADE BY

KENTUCKY DAPC

(AGENCY)

BILL DILLS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/18/83

ESTIMATED DATE OF START-UP--

(502)-564-3382

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

DROSS FURNACES, 4

40.00 T/H INPUT

PH

30.0000 LB/H

86.0000 T/YR

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 713

ID NUMBER KY-0029

SOURCE TYPE CODE 6.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM 44000.00 LB/H

COMPANY NAME/SITE LOCATION CONSOLIDATED ALUMINUM CORP.

NEW JOHNSONVILLE, TN

HUMPHREYS COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY TENNESSEE APCD (AGENCY)

HERVAT AHMED (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/05/81
ESTIMATED DATE OF START-UP--
(615)-741-3651
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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DELAQUERRING KILN & ELECT. FURN# 27000.00 LB/H

PM 0.0200 GR/SCF CYCLONE, AFTER BURN., BAGHOUSE

COLD MILL 71048.00 LB/H

VOC 19.7000 LB/H ACHERBECK AIR PURE SYS OR EQV.

COIL COATING LINE 14110.00 LB/H

VOC 0.6000 LB/GAL COATING INCINERATION

BACT

LAER 90.00

LAER 90.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TN-0013

SOURCE TYPE CODE 6.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

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=====
SOURCE TYPE/SIZE---      SECONDARY ALUMINUM
=====
COMPANY NAME/SITE LOCATION  GMC, CENTRAL FOUNDRY DIV
=====
DETERMINATION IS          FOR A NEW SOURCE.
PERMIT NO. PC(47)11486
DETERMINATION MADE BY     INDIANA APCD
                           (AGENCY)
                           ANDY SUNDERLAND
                           (AGENCY CONTACT PERSON)
                           DATE OF PERMIT ISSUANCE-- 04/28/81
                           ESTIMATED DATE OF START-UP--
                           (317)-633-0663
                           (PHONE)
=====
PROCESSES SUBJECT          THROUGHPUT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT             CAPACITY      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
=====
ELECT. INDUCTION AL. MELTING FURN  4900.00 LB/H
SAND BLAST SYS.              19700.00 LB/H
PH                            13.0000 T/YR      VENTURI SCRUBBER      95.00
PH                            16.0000 T/YR      BAGHOUSE              98.00
=====

```

NOTES -----
6000 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM 15000.00 LB/FURNACE
 COMPANY NAME/SITE LOCATION GREATER TENNESSEE METALS, INC. SANTA FE, TN MAURY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. DATE OF PERMIT ISSUANCE-- 10/03/80
 DETERMINATION MADE BY TENSSEE APCD ESTIMATED DATE OF START-UP--
 (AGENCY) (615)-741-3651
 (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT THROUGHPUT EMISSION LIMITS ... & BASIS
 TO THIS PERMIT CAPACITY POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

ROTARY FURNACE, 2 2.80 MTBTU/FURNACE* PH 4.4000 LB/H EA BACT
 S02 3.1000 LB/H BAGHOUSE, 2 99.90 BACT
 #2 F. OIL/0.5% S

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION KAISER ALUMINUM & CHEMICAL CORP.

BEDFORD, IN

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PC (47) 1481

DETERMINATION MADE BY

INDIANA APCD
(AGENCY)

ANDY SUNDERLAND
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/07/80
ESTIMATED DATE OF START-UP--

(317)-633-0663
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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SHREDDING OPERATION

5346.00 LB/H

PM

2.9700 LB/H

HYDROSTATIC PRECIPITATOR

99.20

OXIDE DRYER

3.30 MBTU/H

PM

HYDROSTATIC PRECIPITATOR

95.00

SALT DRYER

1.60 MBTU/H

PM

HYDROSTATIC PRECIPITATOR

92.00

DELACQERING DRYER

14.00 MBTU/H

PM

7.0000 LB/H

CYCLONE & AFTERBURNER

93.00

ROTARY FURNACE

20.00 MBTU/H

PM

0.8000 LB/H

BAGHOUSE

98.00

NOTES -----
6-240 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER IN-0021

SOURCE TYPE CODE 8.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM 150000.00 LB/H CASTING
 COMPANY NAME/SITE LOCATION MARTIN HARIETTA OF KENTUCKY HANCOCK COUNTY
 P.O. BOX 480 LEWISPORT, KY 42351

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. C-77-71 DATE OF PERMIT ISSUANCE-- 08/17/77
 DETERMINATION MADE BY KENTUCKY DAPC ESTIMATED DATE OF START-UP--
 (AGENCY) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

MELT & HOLD FURNACES, 3 50000.00 LB/H EA
 ROLLING MILL PM 79.2300 LB/H
 44.3000 T/YR
 PAINT LINES, 2 PM 1.9700 LB/H
 6.4000 T/YR
 VOC 125.9300 LB/H
 205.7000 T/YR
 THERMAL INCINERATOR 90.00
 AL SCRAP RECYCLING SCHREDDER 15.00 T/H PM 9.6400 LB/H
 0.6400 LB/T SCRAP
 VENTURI/CYCLONE
 INDUCTION FURNACES, 6 3.50 T/H PM 7.1400 LB/H
 11.7400 LB/H
 HOLDING FURNACES, 6 3.75 T/H PM 54.3000 LB/H
 NOX 16.9000 LB/H

(CONTINUED) MARTIN MARIETTA OF KENTUCKY

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REVEFB	4.50 T/H	PM SO2 NOX	2.3300 LB/H 10.1000 LB/H 3.1000 LB/H	
DROSS COOLING	1.70 T/H	PM	1.2000 LB/H 0.7100 LB/T DROSS BAGHOUSE	97.98
REVERBS, I	4.50 T/H	PM SO2	79.2300 LB/H 96.9000 LB/H	

NOTES -----
ALSO COVERS PERMIT NUMBER C-79-4. THIS ADD'L PERMIT'S ISSUANCE DATE IS 5/18/79.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER KY-0040

SOURCE TYPE CODE 8.8

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION METAL RESOURCES, INC.

LONDON, TN

LOUDON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. TENNESSEE APCD

DETERMINATION MADE BY (AGENCY)

MERVAT AHMED
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/25/80
ESTIMATED DATE OF START-UP--
(615)-741-3651
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

CRUSHING, SCREENING, & BALL MIL* 20000.00 LB/H

ROTARY FURNACES, 4

17280.00 LB/H

PH

4.1000 LB/H

FABRIC FILTERS

BACT
99.90

PH

4.6000 LB/H

2 BAGHOUSES

BACT
99.90

SO2

21.3000 LB/H

#2 F. OIL/0.5% S

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 720

ID NUMBER TN-0009

SOURCE TYPE CODE 8.6

APPENDIX -- DETAILED SOURCE LISTING

06/29/1983

SOURCE TYPE/SIZE-- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION WILMER PROCESSING DIV.

BELOIT, WI

DETERMINATION IS LAER FOR A NEW SOURCE.
 PERMIT NO. NAA-04-80-54-030
 DETERMINATION MADE BY EPA REGION V
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 1981
 ESTIMATED DATE OF START-UP--
 (312)-886-6054
 (PHONE)
 BONIFACE THAYIL
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT
 TO THIS PERMIT

THROUGHPUT
 CAPACITY

POLLUTANT
 EMITTED

EMISSION LIMITS
 CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
 ... PCT EFF

VIBRATING SCREEN

PM 1.0000 LB/H

LAER

ROTORY FURNACES

PM 1.0000 LB/H

LAER

NOTES -----
 1.0 LB/H BY CONSENT TO AVOID OFFSET & 24 HRS/DAY, 312 DAYS/YR, OR 7488 HRS/Y R FOR FURNACES, VIBRATING SCREEN 16 HRS/DAY, 300
 DAYS/YR, OR 4800 HRS/YR, ROTORYFURNACE #1-TESTED AT .31 LB/H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WI-0010

SOURCE TYPE CODE 8.8

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES
 COMPANY NAME/SITE LOCATION BRILLION IRON WORKS
 BRILLION, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. ATT-04-80-08-005 WISCONSIN DNR
 DETERMINATION MADE BY (AGENCY)
 EMILIA ESTRADA
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 08/03/81
 ESTIMATED DATE OF START-UP--
 (608)-266-0244
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... BASIS ... PCT EFF
WET COLLECTOR EXHAUST	35000.00 CF/H	PH	0.0200 GR/SCF DESIGN SYSTEM	
SAND HANDLING	19050.00 CF/H	PH	0.0200 GR/SCF BAGHOUSE	99.70
POURING AREA EXHAUST	125000.00 CF/H	PH	0.0100 LB/HLB GAS DESIGN SYSTEM	
BONDING ADDING SYS.		PH	0.0100 GR/SCF DESIGN SYSTEM	

NOTES -----
 PERMIT RESTRICTIONS EXEMPT PROJECT FROM PSD REQUIREMENTS UNDER 08/07/80 PSD REGULATIONS, NO BANKING PERMITTED, STOCK TESTS REQUIRED. OPACITY LIMITED TO 20%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES 3.00 T/H
 COMPANY NAME/SITE LOCATION CYCLONE IRON FOUNDRIES
 MEMPHIS, TX HALL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 8340 TEXAS ACB
 DETERMINATION MADE BY (AGENCY) WAYNE DAVISON
 (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 07/16/80
 ESTIMATED DATE OF START-UP-- 1981
 (512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT ENITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INDUCTION FURNACE	3.00 T/H	PM	0.2000 LB/H BAGFILTER	99.00
SAND STORAGE		PM	0.5000 LB/H BAGFILTER	99.00
SAND SHAKEOUT		PM	6.8000 LB/H WET SCRUBBER	99.00
CASTING CLEANING		PM	0.8000 LB/H BAGFILTER	99.00

NOTES -----
 BACT LIMITS, DETERMINED BY TECHNOLOGY AND ECONOMICS.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES

COMPANY NAME/SITE LOCATION DANA CORP.

RUSHVILLE, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC(70)1469
DETERMINATION MADE BY INDIANA APCD
(AGENCY)

ANDY SUNDERLAND
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/11/81
ESTIMATED DATE OF START-UP--
(317)-633-0663
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

RBC INDUCTION MELTING FURNACES 60000.00 T/YR

PM

9.0000 T/YR

NO CONTROLS

SAND HANDLING 12000.00 T/YR

PM

1.0000 T/YR

BAGHOUSE

99.00

NOTES -----
2000 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER IN-0017

SOURCE TYPE CODE 0.11

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES 1.30 T/H
 COMPANY NAME/SITE LOCATION LULING IRON FOUNDRY LULING, TX CALDWELL COUNTY
 800 MAGNOLIA NORTH

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/11/80
 PERMIT NO. PSD-TX-272 ESTIMATED DATE OF START-UP-- 1979
 DETERMINATION MADE BY EPA REGION VI (214)-767-1594
 (AGENCY) (PHONE)
 BILL TAYLOR
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

INDUCTION FURNACE 1.30 T/H PH 0.2300 LB/H BAGHOUSE 99.30
 PH 0.1000 LB/H BAGHOUSE 99.50
 PH 0.0300 LB/H BAGHOUSE 99.70
 PH 0.0100 LB/H BAGHOUSE 99.90
 PH 5.7000 LB/H VENTURI WET SCRUBBER 97.32

NOTES -----

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES 13.00 T/H

COMPANY NAME/SITE LOCATION LYNCHBURG FOUNDRY

ARCHER CREEK, VA

CAMPBELL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 79VA02

DETERMINATION MADE BY EPA REGION III

(AGENCY)

BOB BLASZCZAK

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/03/79

ESTIMATED DATE OF START-UP--

(215)-597-8186

(PHONE)

PROCESSES SUB-FACT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BLAST MACHINES #111 & 112

7.00 T/H TOTAL

PM

0.1500 LB/T PROC. WT.

1.0500 LB/H

BAGHOUSE

BACT

99.70

BLAST MACHINES #113 & 114

6.00 T/H TOTAL

PM

0.1600 LB/T PROC. WT.

0.9600 LB/H

BAGHOUSE

BACT

99.70

115 DOWNDRAFT TABLES & GRIND *

13.00 T/H

PM

0.3700 LB/T PROC. WT.

4.8100 LB/H

BAGHOUSE

BACT

99.70

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER VA-0014

SOURCE TYPE CODE 8.11

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES

COMPANY NAME/SITE LOCATION UNIVERSAL FOUNDRY CO.

OSHKOSH, WI

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. MAN-04-80-71-059

DETERMINATION MADE BY WISCONSIN DNR (AGENCY)

DAN SCHRAMM (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/20/80
ESTIMATED DATE OF START-UP--
(414)-497-4044
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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GAS FIRED PREHEATING FURNACE	5.00 MBTU/H	PM	0.0350 LB/HLB GAS BAGHOUSE	LAER 99.80
------------------------------	-------------	----	----------------------------	------------

SAND HANDLING SYS.		PM	0.0350 LB/HLB GAS BAGHOUSE	LAER 99.80
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HOLDING FURNACE	15.00 T	PM	0.0350 LB/HLB GAS BAGHOUSE	LAER 99.80
-----------------	---------	----	----------------------------	------------

ROTARY SHAKEOUT MACHINE, 2 EA		PM	0.0350 LB/HLB GAS BAGHOUSE PULSE JET COLLECTOR	LAER 99.80
-------------------------------	--	----	--	------------

NOTES

2 EXISTING CUPOLAS, DEMONSTRATE MEET .12 LB/H LB EXHAUST GAS -- OPERATIONS NOT TO EXCEED 16 HRS/DAY, 240 DAYS/YEAR OR 3840 HOU RS/YEAR. OPACITY LIMITED TO 20%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WI-0013

SOURCE TYPE CODE 8.11

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES

COMPANY NAME/SITE LOCATION VERMONT CASTINGS

RANDOLPH, VT

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY VERMONT AEC

(AGENCY)

LARRY MILLER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/23/81

ESTIMATED DATE OF START-UP--

(802)-828-3395

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

CUPOLA FURNACE

15.00 T/H MELT

PM

1.0000 LB/H

WET IMPACTION SCRUBBER

CO

47.0000 LB/H

2000.0000 PPH

SO2

INCINERATION

NEGLEGIBLE

WET IMPACTION SCRUBBER

0.8% SULFUR FUEL

99.70

98.70

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 728

ID NUMBER VT-0001

SOURCE TYPE CODE 8.11

APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES

COMPANY NAME/SITE LOCATION WAUPACA FOUNDRY PLANT #2

WAUPACA, WI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. HAA-06-80-69-99

DETERMINATION MADE BY WISCONSIN DNR

(AGENCY)

DALE ZIEGE

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/20/81

ESTIMATED DATE OF START-UP--

(608)-866-0113

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGH-PUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... 1 BASIS
... PCT EFF

CUPOLA

80.00 T/H

PM

6.4700 LB/H

HIGH ENERGY VENTURI SCRUBBER

98.00

CO

INCIN AT 1300 F FOR 3 SEC

99.00

NOTES

MAX OPERATION 6620 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 729

ID NUMBER WI-0012

SOURCE TYPE CODE 8.11

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES

300.00 HOLDS/H

COMPANY NAME/SITE LOCATION W-K-M VALUE DIV. OF ACF INDUSTRIES

, TX

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-TX-288
ESTIMATED DATE OF START-UP-- 1980
DATE OF PERMIT ISSUANCE-- 02/22/80

DETERMINATION MADE BY EPA REGION VI
(AGENCY)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

POLLUTANT EMISSION LIMITS
EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BLOWER STACK

300.00 HOLDS/H

PM 5.0000 LB/H
BAGHOUSE

BLOWER STACK

PM 0.5000 LB/H
BAGHOUSE

OVENS, 2

PM 0.5500 LB/H EA
BAGHOUSE

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- /30

ID NUMBER TX-0078

SOURCE TYPE CODE 8.11

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY LEAD SHELTING

COMPANY NAME/SITE LOCATION HAMMOND LEAD PROD., HALSTAB DIV

HAMMOND, IN

DETERMINATION IS LAER
PERMIT NO. 665 & 676
DETERMINATION MADE BY

HAMMOND APC
(AGENCY)

RAFIU DANIA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/25/81
ESTIMATED DATE OF START-UP--
(219)-853-6306
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

LITHARGE HANDLING

4000.00 LB/H

PM

0.2000 LB/H

BAGHOUSE

LAER
99.80

MATL. BLENDING

10000.00 LB/H

PM

0.0500 LB/H

BAGHOUSE

LAER
99.80

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER IN-0006

SOURCE TYPE CODE 8.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY LEAD SMELTING

COMPANY NAME/SITE LOCATION P.B. CO.

SILVER LAKE, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC(43)1488
DETERMINATION MADE BY INDIANA APCD
(AGENCY)

DATE OF PERMIT ISSUANCE-- 07/03/81
ESTIMATED DATE OF START-UP--
(317)-633-0663
(PHONE)

ANDY SUNDERLAND
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

ROTARY FURNACE

4125.00 T/YR

PM

5.0000 T/YR
BAGHOUSE

99.50

NOTES

2000 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 732

ID NUMBER IN-0016

SOURCE TYPE CODE 8.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY MAGNESIUM SMELTING 78800.00 T/YR HGO
 COMPANY NAME/SITE LOCATION ALLIED CHEMICAL CORP. NEW CASTLE COUNTY
 DELAWARE VALLEY WORKS CLAYMONT, DE

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 80DE02 DATE OF PERMIT ISSUANCE-- 11/18/80
 DETERMINATION MADE BY EPA REGION III ESTIMATED DATE OF START-UP-- 1982
 (AGENCY) BOB BLASZCZAK (215)-597-8186
 (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS PCT EFF
REGEN FACILITY, HGO	14234.00 LB/H	SO2	.5% S FUEL/SO2 FED H2SO4 PLANT	BACT 100.00

NOTES -----
 100% EFF. WHEN FEEDING SULFURIC ACID PLANT. SOURCE IS OWNED BY PHILADELPHIA ELEC. CO., BUT OPERATED BY ALLIED CHEMICAL DELANAR E VALLEY WORKS. SO2 LIMIT APPLICABLE WHEN VENTED TO ATMOSPHERE.
 MAGNESIUM OXIDE REGENERATION FACILITY INCLUDES PROCESS HEATERS, CALCINER START-UP BURNERS, & CALCINER BURNERS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1933

SOURCE TYPE/SIZE--- STEEL FOUNDRIES 260.00 MT/YR
 COMPANY NAME/SITE LOCATION ABEX CORP. QUEMAHONG TOWNSHIP, PA SOMERSET COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 79PA03 DATE OF PERMIT ISSUANCE-- 07/20/79
 DETERMINATION MADE BY EPA REGION III ESTIMATED DATE OF START-UP-- 1980
 (AGENCY) BOB BLASZCZAK (215)-597-8186
 (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ARC FURNACES	34.50 T/H	PM	1.5500 LB/H STACK, EA -4 UNITS		BACT 99.00
		CO	14.8000 LB/H		BACT
SAND HANDLING	7.50 T/H SAND	PM	0.7000 LB/H W/O RECLAIM. 3.6200 LB/H WITH RECLAIM		BACT 99.50
CORE BAKING	34.50 T/H	PM	0.1300 LB/H		BACT
CORE MAKING	34.50 T/H	PM	0.1200 LB/H		BACT 99.00
METAL POURING	34.50 T/H	PM	0.2900 LB/H		BACT 99.50
HOLD SPRAYING	34.50 T/H	PM	0.0500 LB/H		BACT 99.50

(CONTINUED) ABEX CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WHEEL PICKOUT	34.50 T/H	PM	0.5600 LB/H BAGHOUSE	BACT 99.50
WHEEL CLEANING	34.50 T/H	PM	1.0200 LB/H BAGHOUSE	BACT 99.50
WHEEL PEENING	34.50 T/H	PM	0.2900 LB/H BAGHOUSE	BACT 99.50
GRAPHITE MACHINING	34.50 T/H	PM	0.0500 LB/H BAGHOUSE	BACT 99.50

NOTES

EMISSIONS FROM THE ELECTRIC ARC FURNACE CONTROL DEVICES SHALL NOT EXHIBIT 3% OPACITY OR GREATER. EMISSION POINTS OTHER THAN THE ARC FURNACE CONTROLS SHALL NOT EXHIBIT 10% OPACITY OR GREATER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STEEL FOUNDRIES 41.00 MT/YR
 COMPANY NAME/SITE LOCATION INTERNAT. METALS RECLAMATION CO. ELLWOOD CITY, PA LAWRENCE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 78PALL DATE OF PERMIT ISSUANCE-- 10/02/79
 DETERMINATION MADE BY EPA REGION III ESTIMATED DATE OF START-UP-- 1978
 (AGENCY) VERNON BUTLER (215)-597-2711
 (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MILL SCALE PREPARATION	40.00 T/D	PM	0.8600 LB/H BAGHOUSE	BACT 99.90
ROT. HEARTH FURN. FEED. PREP.		PM	0.4100 LB/H BAGHOUSE	BACT 99.90
PNEUMATIC UNLOAD	20.00 T/H	PM	0.0600 LB/H BAGHOUSE	BACT 99.90
PELLET DRYER	8.30 T/H	PM	0.1500 LB/H BAGHOUSE	BACT 99.90
ELECT. ARC FURNACE	6.00 T/H	PM	6.5000 LB/H SCRUBBER	BACT 97.70
ROTARY HEARTH FURNACE	12.30 T/H	PM	2.4000 LB/H SCRUBBER	BACT 98.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STEEL FOUNDRIES 4.00 T

COMPANY NAME/SITE LOCATION K O STEEL CASTING, INC.

SAN ANTONIO, TX

BEXAR COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. C6789

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)

WAYNE DAVISON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/03/79

ESTIMATED DATE OF START-UP-- 1980

(512)-451-5711
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

ELECTRIC ARC FURNACE

2.80 T/H

PM

3.1000 LB/H

6.4000 T/YR

NOX

0.6000 LB/H

1.2000 T/YR

FABRIC FILTERS

NOTES

THE FURNACE IS LOCATED INSIDE AN ENCLOSED ROOM AND THE ROOM IS VENTED TO THE BAGHOUSE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- STEEL FOUNDRIES 60.00 T/H

COMPANY NAME/SITE LOCATION STRUCTURAL METALS, INC. SEGUIN, TX GUADALUPE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 0243
 DETERMINATION MADE BY TEXAS ACB (AGENCY)
 HAYNE DAVISON (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 05/07/80
 ESTIMATED DATE OF START-UP-- 1980
 (512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

ELECTRIC ARC FURNACES 60.00 T/H PH 17.1000 LB/H 75.0000 T/YR VENTED TO FABRIC FILTER CO 3.1000 LB/H 13.5000 T/YR

NOTES -----
 EMISSION LIMITS SET BY NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ORE CRUSHING AND GRINDING

COMPANY NAME/SITE LOCATION NATIONAL STEEL PELLET CO.

KEEWATIN, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 62-81-1-9

MINNESOTA TCA
(AGENCY)

JAMES KOLAR
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/08/81
ESTIMATED DATE OF START-UP-- 1982
(612)-296-7274
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

PELLET CONCENTRATOR MILL LINES,*

PH

3.3000 T/YR
VENTURI ROD SCRUBBER

BACT
98.00

NOTES

VENTURI ROD SCRUBBERS ARE VERY EFFICIENT IN CONTROLLING MOISTURE LADEN MICRON SIZE PARTICULATE.

(*) INDICATES RATION WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER MN-0002

SOURCE TYPE CODE 8.19

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION AIRCO CARBON

NIAGARA FALLS, NY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO.

DETERMINATION MADE BY EPA REGION II (AGENCY)

BARRY TORNICK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/30/82
ESTIMATED DATE OF START-UP-- 1984
(212)-264-9579
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

CARBOTTOM BAKE/REBAKE ELECTRODE*

GRAPHITE KILN

CO

0.0400 LB/H THERMAL INCINERATOR

BACT 99.90

CO

INT. RESIST. GRAPHITIZING PROC.

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 740

ID NUMBER NY-0009

SOURCE TYPE CODE 8.22

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

300.00 LB/H

OTHER METALLURGICAL PROCESSES

SOURCE TYPE/SIZE---

COMPANY NAME/SITE LOCATION ATLAS MINERALS

MOAB, UT

DETERMINATION IS BASED FOR A MODIFIED SOURCE.

PERMIT NO. N/A, 110192-2T

DETERMINATION MADE BY

UTAH BAC
(AGENCY)

DON ROBINSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/07/82
ESTIMATED DATE OF START-UP-- 1983
(801)-533-6108
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

V205 FUSION FURNACE

300.00 LB/H

PH

0.0200 GR/DSCF

PACKED BED SCRUBBER

99.00

SO2

PACKED BED SCRUBBER

99.00

CARTRIDGE MIST ELIMINATOR, CAUSTIC SCRUBBING S*

H2S*

PACKED BED SCRUBBER

99.00

CARTRIDGE MIST ELIMINATOR, CAUSTIC SCRUBBING S*

NOTES

THIS SYSTEM WAS INSTALLED TO REDUCE OPACITY OF EMISSIONS TO BELOW 20% ON AN EXISTING SOURCE WHICH WAS IN THE 30% TO 40% OPACITY RANGE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 741

ID NUMBER UT-0031

SOURCE TYPE CODE 8.22

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION CUYAHOGA SMELTING & PROCESSING CO., INC. CLEVELAND, OH 44109

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 13-931
 DETERMINATION MADE BY CLEVELAND DAPC (AGENCY)
 IKRAM HABIB (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- ESTIMATED DATE OF START-UP-- 1982
 (216)-664-3508 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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DROSS CHARGING & WASHING	4.00 T/H	PM	0.0320 GR/DSCF BAGHOUSE SPECIAL DESIGNED CHARGING	98.00
		PM	0.0320 GR/DSCF 0.7700 LB/DY BAGHOUSE	98.00
DRYING	2.25 T/H	PM	0.6800 T/YR	

NOTES -----
 THE PERMANENT CHARGING HOPPER AND THE PORTABLE 2-CUBIC YARD BOXES WERE ESPECIALLY DESIGNED SO THAT THE BOX FITS OVER THE OPENING OF THE HOPPER PROVIDING AIR-LOCK DROSS CHARGING TO ELIMINATE THE FUGITIVE EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION DAYTON WALTHER CORP.

, KY

DETERMINATION IS BACT
PERMIT NO. C-82-160
DETERMINATION MADE BY

KENTUCKY DAPC
(AGENCY)

BILL DILLS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/30/82
ESTIMATED DATE OF START-UP--
(502)-554-3382
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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PRE-HEATER-NG, 2 FURNACES

12.00 T/H

PM 20.0000 LB/H
36.0000 T/YR

FABRIC FILTER

98.00

SAND HANDLING

124.00 T/H

PM 6.8800 LB/H
12.4000 T/YR

FABRIC FILTER

BARRAL BLAST

10.00 T/H

PM 12.7800 LB/H
23.0000 T/YR

FABRIC FILTER

98.00

RETURN SAND SYSTEM

26.30 T/H

PM 1.4600 LB/H
2.6200 T/YR

WET SCRUBBER

98.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER KY-0032

SOURCE TYPE CODE 8.22

04/29/1983

APPENDIX -- DETAILED SOURCE LISTING

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=====
SOURCE TYPE/SIZE---
=====
OTHER METALLURGICAL PROCESSES
=====
COMPANY NAME/SITE LOCATION    LAKE SIDE SLAG    CHICAGO, IL    COOK COUNTY
=====
DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. C80 05 049
DETERMINATION MADE BY      ILLINOIS EPA
                             (AGENCY)
                             CHRIS ROMAINE
                             (AGENCY CONTACT PERSON)
                             DATE OF PERMIT ISSUANCE-- 12/01/80
                             ESTIMATED DATE OF START-UP-- 1981
                             (217)-782-2113
                             (PHONE)
=====
PROCESSES SUBJECT TO THIS PERMIT
=====
THROUGHPUT CAPACITY    POLLUTANT EMISSION LIMITS    ... & BASIS
                           ENITTED    CONTROL EQUIPMENT OR PROCESS MODIFICATION    ... PCT EFF
=====
PRIMARY & SECONDARY CRUSHERS & *    PH    SPRAY BARS, MANUAL, & AUTO CONTRL
HAUL ROAD    PH    PAVED & SWEPT WEEKLY
PLANT ROADS    PH    OILED WEEKLY
STOCKPILES    PH    DETERGENT SPRAYS
=====

```

NOTES -----
 LAER ESTABLISHED FOR TEMPORARY PLANT. TOTAL LIFE TWO-YEAR FROM START-UP.

04/29/1983

APPENDIX -- DETAILED SOURCE LISTING

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=====
SOURCE TYPE/SIZE---          156600.00 LB/MONTH
-----
OTHER METALLURGICAL PROCESSES
-----
COMPANY NAME/SITE LOCATION  SMITH INTERNATIONAL, INC.          CLARK COUNTY
-----
EL DORADO VALLEY, NV
-----
DATE OF PERMIT ISSUANCE-- 03/24/82
ESTIMATED DATE OF START-UP-- 1983
(702)-383-1276
(MIKE NAYLOR
(AGENCY CONTACT PERSON)
(PHONE)
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY  CLARK COUNTY
(AGENCY)
-----
PROCESS SUBJECT
TO THIS PERMIT
-----
THROUGHPUT CAPACITY
-----
EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
ATTRITION MILLS, 6 EA      26100.00 LB/MONTH
-----
HEP#      40.0000 T/YR
CHILLER & SCRUBBER SYS
-----
BACT
95.00
=====

```

NOTES -----
HEPTANE IS THE LIQUID MEDIUM USED IN THE ATTRITION MILL

===== SOURCE TYPE CODE 8.22

===== ID NUMBER NV-0006

===== (*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES 36000.00 T/YR
 COMPANY NAME/SITE LOCATION SUPERIOR GRAPHITE P.O. BOX 535
 HOPKINSVILLE, KY 42240 CHRISTIAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. C-80-9
 DETERMINATION MADE BY KENTUCKY DAPC (AGENCY)
 BILL DILLS (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 03/10/80
 ESTIMATED DATE OF START-UP--
 (502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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RESEARCH GRAPHITE FURNACE	250.00 LB/H	PM SO2		SCRUBBER, AFTER BURNER 4% S IN FEED MATERIAL	BACT 98.20
GRAPHITE FURNACE, 2	11600.00 LB/H SEE NO*	NOX H2S*		DOUBLE ALKALI SCRUBBER	
MATERIAL, PRODUCT LOADING				EXISTING BAGHOUSE	99.50
GRAPHITE FURNACE	11000.00 T/YR	PM SO2		BAGHOUSE	

(CONTINUED) SUPERIOR GRAPHITE

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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COKE HANDLING

PM	5.4000 LB/H 16.8000 T/YR
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PRODUCT HANDLING

NOTES

NOTE #1 - AMENDED TO 8000. LB/H COMBINED ON 3/11/81.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION TRINITY INDUSTRIES INC

FORT WORTH, TX

TARRANT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8524
DETERMINATION MADE BY TEXAS ACB
(AGENCY)

ART KELLOGG
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/24/81
ESTIMATED DATE OF START-UP-- 1980
(512)-451-5711
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

RAIL CAR SHOT BLASTING

25000.00 CFM

PM

0.0100 GR/ACF

VENTURI SCRUB W/CYC PRECLEANER

98.00

NOTES -----
EMISSION LIMITS ARE BACT, DETERMINED BY TECHNOLOGY & ECONOMICS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0082

SOURCE TYPE CODE 8.22

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION WISCONSIN CENTRIFUGAL

WALKESHA, WI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. MAN-12-DFS-82-68-194
DETERMINATION MADE BY WISCONSIN DNR
(AGENCY)

DAVE SEITZ
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(608)-267-7545
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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INDUCTION FURN., 6, MELT. FURN.	650.00 LB/H EA	PM	1.3000 LB/T 0.0060 GR/DSCF BAGHOUSE	LAER 97.00
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INDUCTION FURN., 3, HOLD. FURN.	650.00 LB/H EA	PM	1.3000 LB/T 0.0060 GR/DSCF BAGHOUSE	LAER 97.00
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CASTING MACHINE	5795.00 LB/H	PM	0.0060 GR/DSCF BAGHOUSE	LAER 97.00
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NOTES

EMISSION OFFSETS WERE REQUIRED. EMISSION RATE OF FURNACES BASED ON MAXIMUM CONTROLLED EMISSION OF TABLE 7.9-1 OF AP-42 FOR CAS
TING MACHINES ASSUMED 0.3 LB/TON & 97% CONTROL FROM TABLE 7.9-2 OF AP-42
MELT. FURNACES ARE WIRED IN PAIRS AND ONLY 3 CAN OPERATE AT ONE TIME.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WI-0031B

SOURCE TYPE CODE 8.22

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

3.00 T/H

OTHER METALLURGICAL PROCESSES

SOURCE TYPE/SIZE---

COMPANY NAME/SITE LOCATION WISCONSIN CENTRIFUGAL INC.

WAUKESHA, WI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.

PERMIT NO. MAN-12-DFS-82-68-136

DETERMINATION MADE BY WISCONSIN DNR

(AGENCY)

DAVE SEITZ

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--

ESTIMATED DATE OF START-UP--

(608)-267-7545

(PHONE)

PROCESSES SUBJECT

TO THIS PERMIT

THROUGHPUT

CAPACITY

POLLUTANT

EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

INDUCTION FURNACES, 2

1.50 T/H EA

PH

1.3000 LB/T

BAGHOUSE

AP42

97.00

VERTICAL CASTING MACHINES, 2

425.00 LB/H EA

PH

0.0020 LB/H

BAGHOUSE

97.00

NOTES

EMISSION OFFSETS WERE REQUIRED. EMISSION RATE OF FURNACES BASED ON MAX. CONTROLLED EMISSION FACTOR OF TABLE 7.9-1. EMISSION FACTOR FOR CASTING ASSUMED = 0.3 LB/T FROM FUGITIVE EST. IN TABLE 7.9-2 OF AP-42.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 750

ID NUMBER WI-0031

SOURCE TYPE CODE 8.22

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES 6900.00 LB/H

COMPANY NAME/SITE LOCATION WISCONSIN CENTRIFUGAL INC. WAUKESHA, WI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. MAN-12-DFS-82-68-136
DETERMINATION MADE BY WISCONSIN DNR
(AGENCY)
DAVE SEITZ
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(608)-267-7545
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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INDUCTION FURNACES, 2	1.50 T/H EA	PM	1.3000 LB/T BAGHOUSE	AP42 97.00
VERTICAL CASTING MACHINES, 2	425.00 LB/H EA	PM	0.0020 LB/H BAGHOUSE	LAER 97.00

NOTES -----
EMISSION OFFSETS WERE REQUIRED. EMISSION RATE OF FURNACES BASED ON MAX. CONTROLLED EMISSION OF TABLE 7.9-1 OF AP-42. CASTING MACHINES ASSUMED 0.3 LB/T & 97% CONTROL FROM TABLE 7.9-2 OF AP-42.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WI-0031A

SOURCE TYPE CODE 9.22

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION ALBANY
CEDAR RAPIDS MOD.

ALBANY, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. MAA-03-80-23-070
DETERMINATION MADE BY WISCONSIN DNR
(AGENCY)

BRIAN GALLEY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/01/80
ESTIMATED DATE OF START-UP--
(608)-266-9418
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMISSIONS

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

ASPHALT MIX

PH 0.0400 GR/DSCF
BAGHOUSE

99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 752

ID NUMBER WI-0019

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

220.00 T/H

COMPANY NAME/SITE LOCATION ASPHALT PRODUCTS CORP.

SOCASSEE, SC

HORRY COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. PSD-SC-030
DETERMINATION MADE BY

SOUTH CAROLINA DHEC
(AGENCY)

DAVID FLEHING
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/14/80
ESTIMATED DATE OF START-UP--
(803)-758-5406
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

ASPHALT PLANT

220.00 T/H

PM

53.0000 LB/H
BAGHOUSE

BACT
99.50

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 753

ID NUMBER SC-0008

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

250.00 T/H MAX

COMPANY NAME/SITE LOCATION BERKS PRODUCTS CORP.

READING, PA

BERKS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 79PA16

EPA REGION III

(AGENCY)

VERNON BUTLER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/12/79

ESTIMATED DATE OF START-UP-- 1979

(215)-597-2711

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

DRUM MIX ASPHALT PLANT

250.00 T/H

PM

6.0100 LB/H

0.0400 GR/DSCF

BAGHOUSE

BACT

99.89

NOTES -----

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

PAGE G- 754

ID NUMBER PA-0011

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 347.00 T/H
 COMPANY NAME/SITE LOCATION B.R. AMON & SONS, INC. ELKHORN, WI JUNEAU COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. ATT-05-80-65-022 WISCONSIN DNR
 DETERMINATION MADE BY (AGENCY) MIKE DEBROCK (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 05/23/80
 ESTIMATED DATE OF START-UP-- 1981
 (715)-362-7616 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

DRUM MIX PLANT 347.00 T/H PH 0.0400 GR/DSCF BAGHOUSE, 504 BAGS 99.90

NOTES -----
 NATURAL GAS OR #2 OIL ONLY FUELS ALLOWED UNDER PERMIT, 347 TPH MAX THROUGHPUTTESTED 09/02/80 AT .0065GR/DSCF, A RANGE OF TESTS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE, SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION C.F. CONSTRUCTION CO.

OXFORD, MS

DETERMINATION IS
PERMIT NO. MS-028
DETERMINATION MADE BY

MISSISSIPPI DNR
(AGENCY)

DWIGHT WILEY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/02/80
ESTIMATED DATE OF START-UP--
(601)-354-2550
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 756

ID NUMBER MS-0006

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

120.00 T/H

COMPANY NAME/SITE LOCATION E.E. MOORE PAVING, INC.

NITRO, WV

PUTHAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 79WV02

DETERMINATION MADE BY EPA REGION III (AGENCY)

BOB BLASZCZAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/06/79
ESTIMATED DATE OF START-UP--
(215)-597-8186
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

HOT MIX ASPHALT PLANT

120.00 T/H

PM

0.0320 GR/DSCF
5.6000 LB/H
BAGHOUSE

NSPS

99.90

NOTES

EMISSION LIMIT LESS THAN 20% OPACITY

STACK TESTS PERFORMED ON PLANT 06/80. RESULTS - 0.0194 GR/SCF , 3.5 LB/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 757

10 NUMBER WV-0010

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 300.00 T/H

COMPANY NAME/SITE LOCATION E.J. BRENEHAN INC. SPRING TOWNSHIP, PA BERKS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 79PA08

DETERMINATION MADE BY EPA REGION III (AGENCY)

BOB BLASZCZAK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/16/79

ESTIMATED DATE OF START-UP-- (215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY 300.00 T/H

POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

DRUM MIX ASPHALT PLANT 300.00 T/H

PH 0.0100 GR/DSCF 2.6000 LB/H BAGHOUSE

BACT 99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPE.ØIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 200.00 T/H

COMPANY NAME/SITE LOCATION FRANCIS O. DAY CO., INC.

ROCKVILLE, MD

MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 7ØMD10

DETERMINATION MADE BY EPA REGION III

(AGENCY)

BOB BLASZCZAK

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/14/79

ESTIMATED DATE OF START-UP--

(215)--597-8166

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

ASPHALT PLANT

200.00 T/H

PM

0.0300 GR/DSCF
8.7000 LB/H

BAGHOUSE

BACT

99.90

NOTES -----

SOURCE IS NOT PSD UNDER NEW DEFINITION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER MD-0014

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 400.00 T/H

COMPANY NAME/SITE LOCATION GENARO ASPHALT CO., INC WARREN, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. PTI 02-793 DATE OF PERMIT ISSUANCE-- 07/09/81
 DETERMINATION MADE BY OHIO EPA - NED ESTIMATED DATE OF START-UP-- 1981
 (AGENCY) (PHONE)

TED DAVIS
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

DRUM MIX ASPHALT CONCRETE PLANT 400.00 T/H PM 0.0400 GR/DSCF FABRIC FILTER NSPS 99.60

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 414.00 T/H 5% H2O

COMPANY NAME/SITE LOCATION HIGHWAY PAVERS, INC. MILWAUKEE, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-80-41-039
DETERMINATION MADE BY WISCONSIN DNR
(AGENCY)
LARRY NIGHTINGALE
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/06/80
ESTIMATED DATE OF START-UP--
(414)-257-4411
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIX PLANT		PM 0.0400 GR/DSCF SO2 BAGHOUSE	#2 OIL - .5% S BY WT.	99.90

NOTES -----
FUEL OIL #2 LIMITED TO .5% BY WEIGHT, 1.1 MTGAL/YEAR. STACK TESTS REQUIRED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION INDIANHEAD BLACKTOP INC
POPLAR AVE

CAMERON, WI 54822

DETERMINATION IS NSPS FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) MIA-10-KAM-82-03-072
DETERMINATION MADE BY WISCONSIN DNR
(AGENCY)

KRIS MCKINNEY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/14/82
ESTIMATED DATE OF START-UP-- 1982
(608)-267-7542
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ASPHALT MIX 155.00 T/H

PM	5.4000 T/YR	SCRUBBER		NSPS
SO2	110.2100 T/YR			99.50
NOX	5.5800 T/YR			
VOC	27.9000 T/YR			
CO	5.5800 T/YR			

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WI-0025

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION IVERSON CONSTRUCTION CO., PLATTEVILLE PLATTEVILLE, WI
WANTLAND QUARRY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/12/80
PERMIT NO. ATT-04-80-22-044 ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY WISCONSIN DNR (608)-267-9418
(AGENCY) (PHONE)
BRIAN GALLEY
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT THROUGHPUT EMISSION LIMITS ... & BASIS
TO THIS PERMIT CAPACITY ENITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

MIX PLANT
FUGITIVE DUST
PM 0.0400 GR/DSCF
PM NR154.11(2)

NOTES -----
TEST REQUIRED, TESTED 06/23/81 AT .023 GR/DSCF, AVERAGE OF 5 RUNS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 250.00 T/H

COMPANY NAME/SITE LOCATION J.F. CLECKLEY & CO. DORCHESTER, SC DORCHESTER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. PSD-SC-029
 DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY)
 DAVID FLEMING (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 01/21/80
 ESTIMATED DATE OF START-UP-- (803)-758-5406 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

ASPHALT 250.00 T/H PH 42.0000 T/YR BAGHOUSE 99.50
 SO2 110.0000 T/YR NONE

NOTES -----

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION J.H. RUDOLPH & CO., INC.

TROY, IN

DETERMINATION IS
PERMIT NO. EPA-5-A-80-13
DETERMINATION MADE BY

EPA REGION V
(AGENCY)

BONIFACE THAYIL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/21/80
ESTIMATED DATE OF START-UP--
(312)-886-6054
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

ASPHALT BATCH PLANT

PM 0.0400 GR/DSCF
BAGHOUSE

502

0.5% S FUEL, MAX

99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 765

ID NUMBER IN-0005

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 230.00 T/H
 COMPANY NAME/SITE LOCATION KEOWN SUPPLY CO. CONROE, TX MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 8781
 DETERMINATION MADE BY TEXAS ACB (AGENCY)
 ROBERT MAUEL (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 02/18/82
 ESTIMATED DATE OF START-UP-- 1982
 (512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... FCT EFF

DRUM MIXER 230.00 T/H PH 9.0000 LB/H VENTURI SCRUBBER 98.00
 SO2 6.0000 LB/H

NOTES -----
 PLANT SUBJECT TO NSPS FOR ASPHALT CONCRETE PLANTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION KOKOSING MATERIALS, INC

MORRIS TWP., OH

KNOX COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 0342000022P001
DETERMINATION MADE BY OHIO EPA - CD
(AGENCY)

DATE OF PERMIT ISSUANCE-- 02/05/82
ESTIMATED DATE OF START-UP-- 1981
(614)-864-3195
(PHONE)

JAY MCCOY
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

ASPHALT CONCRETE PLANT

540000.00 LB/H

PH

0.0400 GR/DSCF

VENTURI SCRUBBER

VOC

NSPS

NOTES

PERMIT REQUIRES COMPLIANCE WITH NSPS AND REPORTING AS TO 1) CONSTRUCTION DATE, 2) ANTICIPATED STARTUP DATE, 3) ACTUAL STARTUP DATE, AND 4) DATE OF PERFORMANCE TESTING, TOGETHER WITH A REPORT OF THE RESULTS OF SUCH TESTING. REQUIREMENTS MET, PTO ISSUED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 767

ID NUMBER OH-0032

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 130.00 T/YR HOT MIX

COMPANY NAME/SITE LOCATION L.A. REYNOLDS MAYSVILLE, NC

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/16/80
 PERMIT NO. NC-053 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY NORTH CAROLINA DEM (919)-733-6126
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS ... & BASIS
 CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

ROTARY DRYER PH 25.2000 T/YR BACT
 CYCLONE-VENTURI SCRUBBER
 LIMIT HR 2400.

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 160.00 T/H
 COMPANY NAME/SITE LOCATION MARVIN V. TEMPLETON AND SONS, INC. PINEY RIVER, VA
 AMHERST COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 79VA04
 DETERMINATION MADE BY EPA REGION III
 (AGENCY)
 BOB BLASZCZAK
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 05/07/79
 ESTIMATED DATE OF START-UP--
 (215)-597-8186
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS ... & BASIS
 CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
 HOT MIX ASPHALT PLANT 160.00 T/H PH 6.4000 LB/H CYCLONE, WET VENTURI BACT 99.90

NOTES -----
 PERMIT RESCINDED 9/4/81

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

495.00 T/YR

COMPANY NAME/SITE LOCATION MATHY CONSTRUCTION CO.
HIGHWAY 93

TREMPEALEAN TOWNSHIP, WI

DETERMINATION IS
PERMIT NO. MIA-CWB(OLJ)-01-62-*
DETERMINATION MADE BY WISCONSIN DNR
(AGENCY)

DATE OF PERMIT ISSUANCE-- 03/19/82
ESTIMATED DATE OF START-UP-- 1982
(605)-267-9500
(PHONE)

DAN JOHNSTON
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

DRUM MIX ASPHALT PLANT

495.00 T/H

PH

0.0400 GR/DSCF
BAGHOUSE

NSFS
99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WI-0023

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION MATHY CONSTRUCTION CO. PLANT #14

FINLEY, WI

JUNEAU COUNTY

DETERMINATION IS BACK FOR A NEW SOURCE.
PERMIT NO. MAA-03-80-42-069
DETERMINATION MADE BY: WISCONSIN DNR
(AGENCY)

JOE ANCEL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/01/81
ESTIMATED DATE OF START-UP--
(715)-423-5670
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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MIX PLANT

PH	0.0400 GR/DSCF	VENTURI SCRUB, CYC SEP., DEMISTER	99.00
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NOTES -----
HAVING DIFFICULTIES MEETING EMISSION LIMIT. OPERATE AT 18 FT TO 23 FT WATER GAUGE PRESSURE DROP.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 771

ID NUMBER MI-0014

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

40.00 T/H

COMPANY NAME/SITE LOCATION MILLCREEK TOWNSHIP

MILLCREEK TOWNSHIP, PA

ERIE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 79PA05

DETERMINATION MADE BY EPA REGION III (AGENCY)

BOB BLASZCZAK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/14/79
ESTIMATED DATE OF START-UP-- 1979
(215)-597-8186
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

DRUM MIX ASPHALT PLANT

40.00 T/H

PM

0.0400 GR/DSCF
20.0000 % CAPACITY MAX
WET VENTURI

BACT

99.50

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 772

ID NUMBER PA-0005

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

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=====
SOURCE TYPE/SIZE---      ASPHALT BATCHING PLANTS      200000.00 T/YR
=====
COMPANY NAME/SITE LOCATION  MILLER ASPHALT PRODUCTS, INC.
=====
CARROLL COUNTY
=====
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79MD01
DETERMINATION MADE BY  EPA REGION III
                        (AGENCY)
VERNON BUTLER
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/16/79
ESTIMATED DATE OF START-UP-- 1979
(215)-597-2711
(PHONE)
=====
PROCESSES SUBJECT TO THIS PERMIT
=====
THROUGHPUT CAPACITY
POLLUTANT EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF ... BASIS
=====
PLANT      200100.00 T/YR      PM      0.0300 GR/DSCF      BACT
                        6.8000 LB/H      99.60
                        BAGHOUSE
=====

```

NOTES -----
SOURCE IS NOT PSD UNDER NEW DEFINITION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

366.00 T/H

COMPANY NAME/SITE LOCATION MORGANTOWN ASPHALT CO.

MORGANTOWN, WV

MORGANLIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 76WV05

DETERMINATION MADE BY EPA REGION III (AGENCY)

VERNON BUTLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/25/80
ESTIMATED DATE OF START-UP-- 1980
(215)-597-2711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

ASPHALT BATCH PLANT

366.00 T/H

PH

0.0400 GR/DSCF
13.6300 LB/H

CYCLONE, BAGHOUSE

BACT

99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 774

ID NUMBER WV-0007

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 240.00 T/Y
 COMPANY NAME/SITE LOCATION M.A. LAYMAN & SONS HARRISONBURG, VA ROCKINGHAM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 79VA06
 DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
 PAUL PITTS (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 07/16/79
 ESTIMATED DATE OF START-UP-- 1979
 (804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HOT MIX ASPHALT PLANT	240.00 T/YR	PM	0.0400 GR/DSCF 7.3000 LB/H MET VENTURI	BACT 99.90 BACT
		SO2	2.0000 % S FUEL BY WT	

NOTES -----
 YEARLY OUTPUT LIMITED TO 200,000 TONS PER YR OF ASPHALT. PARTICULATE EMISSIONS LIMITED TO LESS THAN 20% OPACITY.
 PERMIT RESCINDED 3/23/81. REGISTRATION # 20038.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 400.00 T/M

COMPANY NAME/SITE LOCATION PAYNE & DOLAN INC.

, WI

FOND DU LAC COUNTY

DETERMINATION IS NSPS FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) MIA-IRS-82-20-070
DETERMINATION MADE BY WISCONSIN DNR
(AGENCY)
IMELDA STAMM
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/07/82
ESTIMATED DATE OF START-UP--
(608)-266-6876
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

ASPHALT MIX 400.00 T/M PM 48.3600 T/YR BAGHOUSE NSPS 99.99
SO2 90.2200 T/YR
CO 14.1700 T/YR
NOX 170.3000 T/YR
VOC 2.8300 T/YR

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 776

ID NUMBER WI-0024

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 300.00 T/H
 COMPANY NAME/SITE LOCATION PAYNE & DOLAN INC., WAUKESHA SPRINGFIELD, WI DANE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. ATT-04-80-20-049 WISCONSIN DNR
 DETERMINATION MADE BY (AGENCY) BRIAN GALLEY (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 06/12/80
 ESTIMATED DATE OF START-UP-- (608)-267-9418 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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MIX PLANT		PM	0.0400 GR/DSCF BAGHOUSE	99.90
FUGITIVE DUST		PM		
		SO2	0.5000 LOW SULFUR OIL, 0.50% S	

NOTES -----
 STACK TEST REQUIRED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 300.00 T/H

COMPANY NAME/SITE LOCATION FENDLETON CONSTRUCTION CO. LYNCHBURG, VA LYNCHBURG CITY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 79VA10
 DETERMINATION MADE BY EPA REGION III
 (AGENCY) BOB BLASZCZAK
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 01/02/80
 ESTIMATED DATE OF START-UP-- 1979
 (215)-597-8186
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BARBER-GREEN ASPHALT PLANT	300.00 T/H	PM	13.5000 LB/H 20.0000 % OPACITY MULTICYCLONE, VEN TURI SCRUB.	BACT 99.00
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NOTES -----
 PERMIT RESCINDED 10/21/81

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER VA-0011

SOURCE TYPE CODE 9.1

04/29/1983

APPENDIX -- DETAILED SOURCE LISTING

SOURCE TYPE/SIZE-- ASPHALT BATCHING PLANTS
 COMPANY NAME/SITE LOCATION REIN, SCHULTZ, & DAHL
 WI LAFAYETTE COUNTY

DATE OF PERMIT ISSUANCE-- 12/03/82
 ESTIMATED DATE OF START-UP--
 (608)-267-9500
 (PHONE)

DETERMINATION IS NSPS FOR A NEW SOURCE.
 PERMIT NO. (REGION FILE NO.) MIA-10-0LJ-82-33-153
 DETERMINATION MADE BY WISCONSIN DNR
 (AGENCY)

DAN JOHNSTON
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

ASPHALT MIX	250.00 T/H	PM	18.5600 T/YR 0.0500 T/YR, ACTUAL BAGHOUSE, REVERSE AIR	99.90
		PH	0.0400 ER/DSOF	
		SOX	83.1000 T/YR, ACTUAL	
		VE	0.8000 T/YR, ACTUAL	
		CO	20.0000 % OPACITY	
			41.6000 T/YR, ACTUAL	
		VOC	0.4000 T/YR, ACTUAL	
			219.0000 T/YR, ACTUAL	
		NOX	2.0000 T/YR, ACTUAL	
			39.0000 T/YR, ACTUAL	
			0.4000 T/YR, ACTUAL	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 9.1

ID NUMBER WI-0027

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 300.00 T/YR HOT MIX

COMPANY NAME/SITE LOCATION RGK INDUSTRIES FAYETTEVILLE, NC

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/29/80
 PERMIT NO. NC-062 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY NORTH CAROLINA DEN MIKE SEWELL (919)-733-6126
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS ... & BASIS
 CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

ASPHALT 300.00 T/YR PH 36.0000 T/YR BACT
 CYCLONE + WET SCRUBBER

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 400.00 T/H

COMPANY NAME/SITE LOCATION ROCKROAD OF WISCONSIN
HIGHWAY 14 & 140
WI
ROCK COUNTY

DETERMINATION IS NSPS FOR A NEW SOURCE.
PERMIT NO. MIA-10-KJC-82-54-130
DETERMINATION MADE BY WISCONSIN DNR
(AGENCY)
KATHY CARTWRIGHT
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/15/82
ESTIMATED DATE OF START-UP--
(608)-266-0244
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ASPHALT MIX	400.00 T/H	PM	8.9000 T/YR 0.4000 GR/DSCF VENTURI SCRUBBER	
		PM	20.0000 % OPACITY	
		SOX	12.6000 T/YR	
		NOX	8.4000 T/YR	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 210.00 T/H

COMPANY NAME/SITE LOCATION RODNEY RASHUSSEN CO. SALINA, UT 84654 SEVIER COUNTY
45 SOUTH 2ND WEST

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/04/81
PERMIT NO. ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY EPA REGION VIII (303)-837-3763
(AGENCY) (PHONE)
JOHN DALE
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT THROUGHPUT EMISSION LIMITS ... & BASIS
TO THIS PERMIT CAPACITY POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

ASPHALT PLANT 210.00 T/H PH 0.0400 GR/DSCF BACT
VENTURI 99.70

NOTES -----
PORTABLE ASPHALT PLANT, CONTINUOUS DRUM MIX.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 150.00 T/H
 COMPANY NAME/SITE LOCATION STEELSTONE HOULTON, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. MAINE DEP
 DETERMINATION MADE BY (AGENCY) ROBERT BALLEW
 (AGENCY CONTACT PERSON) (207)-289-2437
 (PHONE) DATE OF PERMIT ISSUANCE-- 11/23/82
 ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT BATCHING	150.00 T/H	PM	0.0400 GR/DSCF BAGHOUSE	NSPS
		SO2	NO. 2 FUEL OIL	
AGGREGATE HANDLING & ROADS		PM	WATER SPRAY AS NEEDED	
ROADS		PM	PAVE / SURFACTANT / WATER	

NOTES -----
 LIMITED TO ALLOWED OF 10 LB/H, 100 LB/D, 5 T/YR TO AVOID MODELING. LIMITED TO 1913 TONS ASPHALT CONCRETE PER DAY & 191326 T/YR

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 100.00 T/H

COMPANY NAME/SITE LOCATION STORY ASPHALT-PAVING LANETT, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. AL-076
 DETERMINATION MADE BY ALABAMA APCD
 (AGENCY)

SUE ROBERTSON
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/10/81
 ESTIMATED DATE OF START-UP--
 (205)-834-8570
 (PHONE)

PROCESSES SUBJECT
 TO THIS PERMIT

THROUGHPUT
 CAPACITY

POLLUTANT
 EMITTED

EMISSION LIMITS
 CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
 ... PCT EFF

ASPHALT BATCH 1

100.00 T/H

PM

0.0400 GR/DSCF

MULTICYCLONE & WET SCRUBBER

NSPS

NOTES -----

(#) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER AL-0006

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 250.00 T/H
 COMPANY NAME/SITE LOCATION SUPERIOR SAND & ASPHALT CO. MORGANTOWN, WV MONONGALIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 78M01
 DETERMINATION MADE BY EPA REGION III (AGENCY)
 VERNON BUTLER (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 01/02/79
 ESTIMATED DATE OF START-UP-- 1979
 (215)-597-2711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

ASPHALT PLANT 250.00 T/H PH 0.0400 GR/DSCF 11.0000 LB/H BACHOUSE BACT 99.70

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 150.00 T/H

COMPANY NAME/SITE LOCATION SYKESVILLE CONSTRUCTION CO., INC.

BALTIMORE, MD

CARROLL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 76MD02

DETERMINATION MADE BY

EPA REGION III
(AGENCY)

EDWARD VOLLBERG
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/03/79
ESTIMATED DATE OF START-UP-- 1979
(215)-597-8309
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

PLANT

150.00 T/H

PM

7.3000 LB/H

0.0300 GR/SCFD
BAGHOUSE

BACT

99.97

NOTES -----

SOURCE IS NOT PSD UNDER NEW DEFINITION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER MD-0011

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE-- ASPHALT BATCHING PLANTS 400.00 T/H

COMPANY NAME/SITE LOCATION THE HORVITZ CO.
900 CLARK AVENUE

CLEVELAND, OH 44113

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-945
DETERMINATION MADE BY CLEVELAND DAPC
(AGENCY)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1982
(216)-664-3509
(PHONE)

IKRAM HABIB
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

HOT ASPHALT CONCRETE DRUM MIX M* 400.00 T/H

PM

0.0400 GR/DSCF
VENTURI SCRUBBER

BACT
65.00

HOT ASPHALT CONCRETE DRUM MIX M* 300.00 T/H

VE

20.0000 % OPACITY

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 787

ID NUMBER OH-0028

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION TRI-STATE ASPHALT CORP. WARREN TWP, OH WASHINGTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 06-669
 DETERMINATION MADE BY OHIO EPA - SED
 (AGENCY)
 FRED KLINGELHAER
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE--
 ESTIMATED DATE OF START-UP--
 (614)-385-8501
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

BARBER-GREENE DH-66 ASPHALT BAT* 410.00 T/H PH 0.0400 GR/DSCF BAGHOUSE VOC S02 < 0.3 % S OIL BY WT. 99.90

NOTES -----
 PERMIT REQUIRES SOURCE TO REPORT ON 1) DATE OF CONSTRUCTION STARTUP, 2) DATE OF COMPLETION OF CONSTRUCTION, 3) STARTUP DATE, A
 ND 4) DATE OF PERFORMANCE TESTING, AND REQUIRES COMPLIANCE WITH NSPS REQUIREMENTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 185.00 T/H

COMPANY NAME/SITE LOCATION WINDSOR SERVICES, INC. N. LEBANON TOWNSHIP, PA LEBANON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 79PA06
 DETERMINATION MADE BY EPA REGION III
 (AGENCY) ROB BLASZCZAK
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 05/07/79
 ESTIMATED DATE OF START-UP-- 1979
 (215)-597-8186
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

PLANT 185.00 T/H PH 6.1300 LB/H CYCLONE, BAGHOUSE BACT 99.90

NOTES -----
 PERMIT RESCINDED 1/14/82.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 110.00 T/H

COMPANY NAME/SITE LOCATION ZARLENGO BROS., INC. HILLSVILLE, PA LAWRENCE COUNTY
NORTH BEAVER TOWNSHIP

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/21/80
PERMIT NO. 79PA25 ESTIMATED DATE OF START-UP-- 1979
DETERMINATION MADE BY EPA REGION III (215)-597-7936
(AGENCY) (PHONE)
DAVID ARNOLD
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... BASIS
... PCT EFF

ASPHALT BATCH PLANT 110.00 T/H PM 0.0390 GR/DSCF BACT
4.5000 LB/H
MULTICYCLONE, BAGHOUSE 99.90

NOTES -----
RELOCATION FROM EXISTING SITE
PERMIT RESCINDED 11/30/81.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS

COMPANY NAME/SITE LOCATION D. M. STENARD CO. CHATTANOOGA, TN

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 23-C,24-C,25-C
 DETERMINATION MADE BY CHATTANOOGA APCB
 (AGENCY) JAMES FRENCH
 (AGENCY CONTACT PERSON) (615)-867-4321
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
#1 SILO BIN VENT	19200.00 LB/H	PM	9.6000 LB/H BAGHOUSE	BACT 99.50
#2 SILO BIN VENT	19200.00 LB/H	PM	9.6000 LB/H BAGHOUSE	BACT 99.50
#3 SILO BIN VENT	9700.00 LB/H	PM	4.9000 LB/H BAGHOUSE	BACT 99.50

NOTES -----
 PERMIT 23-C REFERS TO #1 SILO, 24-C REFERS TO #2 SILO, AND 25-C REFERS TO #3 SILO.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS 281000.00 T/YR

COMPANY NAME/SITE LOCATION GEORGIA KAOLIN CO. DRY BRANCH, GA

DETERMINATION IS BACT
 PERMIT NO. (REGION FILE NO.) PSD-GA-073
 DETERMINATION MADE BY GEORGIA DNR
 (AGENCY)
 BILL MITCHELL
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 05/18/81
 ESTIMATED DATE OF START-UP--
 (404)-656-6900
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BAUER MILLS	1.50 T/H	PM	0.0200 GR/DSCF BAGHOUSE	BACT 99.00
SPRAY DRYER	34.00 T/H	PM	0.0200 GR/DSCF BAGHOUSE	BACT 99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER GA-0007

SOURCE TYPE CODE 9.2

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS 130.00 T/D

COMPANY NAME/SITE LOCATION INTERNATIONAL AMERICAN CERAMICS, INC. , OK

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 04/06/81
 PERMIT NO. T81-14 ESTIMATED DATE OF START-UP-- 1981
 DETERMINATION MADE BY TULSA CITY-COUNTY HEALTH DEPT BILL GIBBONS (918)-744-1000
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAW MATERIALS PREP	152.00 T/D	PH	4.6000 LB/H DRY/WET COLLECTORS	BACT 90.00
SPRAY DRYER	130.00 T/D	PH	4.6000 LB/H DRY/WET COLLECTORS	BACT 99.00
BISQUE DRYER	130.00 T/D	PH	0.6500 LB/H DRY/WET COLLECTORS	BACT 99.00
TILE KILNS	130.00 T/D	PH	0.6500 LB/H DRY/WET COLLECTORS	BACT 99.00
DRYER/KILNS		NOX	40.8000 T/YR	

NOTES -----
 CONTROL EFFICIENCIES BASED ON SIMILAR EQUIPMENT TESTING AT A SIMILAR FACILITY (OUT OF COUNTY). MINUTE QUANTITIES OF FLUORIDES, BERYLLIUM, ESTIMATED WITH CONTROL EQUIPMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS
 COMPANY NAME/SITE LOCATION KAISER REFRACTORIES NATIVIDAD FACILITY
 CA MONTEREY COUNTY

DATE OF PERMIT ISSUANCE-- 09/30/81
 ESTIMATED DATE OF START-UP--
 (415)-974-8220
 (PHONE)

BOB BAKER
 (AGENCY CONTACT PERSON)

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. (REGION FILE NO.) MCC 80-01
 DETERMINATION MADE BY EPA REGION IX
 (AGENCY)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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DOLORNILE KILNS #1	75.00 T/D	NOX	79.7000 LB/H STANDARD PETROL COKE BURN.	
		SO2	41.9000 LB/H BAGHOUSE SO2 ASOB. BY CALCINED DOLANITE	
DOLORNILE KILNS #2	75.00 T/D	NOX	79.7000 LB/H STD PETROL COKE BURNERS	
		SO2	41.9000 LB/H BAGHOUSE SO2 ASOB. BY CALCINED DOLANITE	
DOLORNILE KILNS, #3	110.00 T/D	NOX	192.0000 LB/H STD PETROL COKE BURNERS	
		SO2	61.1000 LB/H BAGHOUSE SO2 ASOB. BY CALCINED DOLANITE	

NOTES -----
 BACT DETERMINATION: SO2 - ECONOMICS & TECHNOLOGY, NOX - TECHNOLOGY. KILN MODIFICATIONS: TO BURN COKE, OIL, AND/OR NAT. GAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS

COMPANY NAME/SITE LOCATION MILCHEM

GLENWOOD, AR

MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-AR-144
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

JOHN BURIYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/07/79
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY DRYER		PM	4.2000 LB/H BAGHOUSE	BACT 90.00
HANDLING/STORAGE		PM	1.0000 LB/H BAGHOUSE	BACT 90.00
RAILCAR LOADOUT		PM	1.0000 LB/H BAGHOUSE	BACT 90.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER AR-0004

SOURCE TYPE CODE 9.2

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---	REFRACTORIES	COMPANY NAME/SITE LOCATION	JOHN MANSVILLE SALES CORP	NACOGDOCHES, TX	NACOGDOCHES COUNTY
DETERMINATION IS BACT PERMIT NO. PSD-TX-263 DETERMINATION MADE BY	EPA REGION VI (AGENCY)	JOHN BUNYAK (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 01/22/80 ESTIMATED DATE OF START-UP-- 1981 (214)-767-1594 (PHONE)		
PROCESS SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF	
FIBER PROD. UNIT		PM	3.5300 LB/H WET SCRUB/ZIG-ZAG SCRUB	95.00	
FIBER PROD. UNIT		PM	2.1000 LB/H WET SCRUB/ZIG-ZAG SCRUB	95.00	
FIBER PROD. UNIT		PM	3.1000 LB/H WET SCRUB/ZIG-ZAG SCRUB	95.00	
FIBER PROD. UNIT		PM	2.3500 LB/H WET SCRUB/ZIG-ZAG SCRUB	95.00	
BOILER, 2	3.10 MTBTU/H EA	PM	0.0600 LB/H NAT GAS FUEL/#2 OIL STANDBY		
SILICA STORAGE SILO	400.00 MLB	PM	0.0100 LB/H BAGFILTER	98.00	

(CONTINUED) JOHN MANSVILLE SALES CORP

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
AL. STORAGE SILO	300.00 MLB	PM	0.0100 LB/H BAGFILTER	98.00
DOLOMITE LIME STORAGE	200.00 MLB	PM	BAGFILTER	98.00
LIMESTONE STORAGE SILOS, 2	200.00 MLB EA	PM	BAGFILTER	98.00

NOTES -----

(*) INDICATES DATA WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- REFRACTORIES

COMPANY NAME/SITE LOCATION KAISER REFACTORIES

MOSS LAANDING, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) NCC 80-02
DETERMINATION MADE BY EPA REGION IX
(AGENCY)

BOB BAKER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/30/81
ESTIMATED DATE OF START-UP--
(415)-974-8220
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & PASTS
... PCT EFF

KILNS, #1,2,3

165.00 T/D

NOX

515.0000 LB/H TOTAL

STD PETROL. COKE BURN.

NOTES

MODIFICATION OF MAGNESIA KILNS #1,2,3 SO THEY CAN FIRE PETROLEUM COKE, OIL, AND/OR NAT. GAS. BACT IS DETERMINED BY TECHNOLOGY AND ECONOMICS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER CA-0026

SOURCE TYPE CODE 9.3

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING

COMPANY NAME/SITE LOCATION CALIF. PORTLAND CEMENT CO

MOJAVE, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) SJ-78-73
DETERMINATION MADE BY EPA REGION IX
(AGENCY)

DON HARVEY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/12/79
ESTIMATED DATE OF START-UP--
(415)-974-8223
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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PRECALCINER - KILN 1.00 MMT/YR CEME*

PM	36.0000 LB/H	BAGHOUSE	BACT	99.90
SO2	616.0000 LB/H	ABSORPTION BY ALKALI	BACT	70.00
NOX	NONE	REDUCED FUEL USAGE, LOW FURN. TEMP.		

CLINKER COOLER

PM	121.0000 LB/H	BAGHOUSE	BACT	99.60
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PRIMARY CRUSHER

PM	5.0000 LB/H	BAGHOUSE	BACT	99.50
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SAMPLE SYS, SURGE SI-0

PM		BAGHOUSE		99.50
----	--	----------	--	-------

SAMPLE SYS, SURGE SILO RECLAIM

PM		BAGHOUSE		99.50
----	--	----------	--	-------

(CONTINUED) CALIF. PORTLAND CEMENT CO

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONVEYORS & TRANSFER		PM	BAGHOUSE	99.50
MILLS & SCREENS		PM	BAGHOUSE	99.50
PULVERIZER		PM	BAGHOUSE	99.50
TRUCK DUMP HOPPER, ADDITIVES SYS		PM	WATER SPRAY	90.00
DUMP HOPPER RECLAIM, ADDITIVES *		PM	BAGHOUSE	99.50
CONVEYOR & TRANSFER, ADDITIVES *		PM	BAGHOUSE	99.50
STORAGE BUILDING, ADDITIVES SYS		PM	BAGHOUSE	99.50
RECLAIM CONVEYORS, ADDITIVES SYS		PM	BAGHOUSE	99.50
STORAGE BLDG & STACKER, LIMESTONE*		PM	BAGHOUSE	99.50
RECLAIM & CONVEYORS, LIMESTONE *		PM	BAGHOUSE	99.50

(CONTINUED) CALIF. PORTLAND CEMENT CO

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILOS, ROLLER MILL		PM	BAGHOUSE	99.50
SILOS RECLAIM, ROLLER MILL		PM	BAGHOUSE	99.50
ROLLER MILL & FEED, ROLLER MILL		PM	WATER SPRAY	90.00
PROD. CONVEYOR, ROLLER MILL		PM	BAGHOUSE	99.50
HOMOGEN. & KILN, ROLLER MILL HOMOGEN. SILOS, FEED SYS		PM	BAGHOUSE	99.50
HOMOGEN. SILOS RECLAIM		PM	BAGHOUSE	99.50
KILN FEED		PM	BAGHOUSE	99.50
COAL MILL FOR PREHEATER		PM	BAGHOUSE	99.50
COAL MILL FOR KILN		PM	CYCLONE & BAGHOUSE	99.50
		PM	CYCLONE & BAGHOUSE	99.50

(CONTINUED) CALIF. PORTLAND CEMENT CO

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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CONVEYORS, CLINKER COOLER

PM

BAGHOUSE

99.50

CLINKER TRANSFER

PM

BAGHOUSE

99.50

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 802

ID NUMBER CA-0011

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 1.10 MM/1YR

COMPANY NAME/SITE LOCATION CREOLE CORP. , CA IMPERIAL COUNTY
NEAR PLASTER CITY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/20/80
PERMIT NO. (REGION FILE NO.) SE-78-09 ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY EPA REGION IX (415)-974-8223
(AGENCY) (PHONE)

DON HARVEY
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

PREHEATER/KILN MILL (2) 500000.00 T/YR CEMENT*

PM	23.7000 LB/H 0.0180 GR/DSCF EA BAGHOUSE	99.90
SO2	78.3000 LB/H 46.0000 PPM 10%O2 ABSORPTION OF SULFUR OXIDES BY ALKALI LOW SULFUR COAL	85.00
SO2	266.0000 LB/H 156.0000 PPM AT 10%O2 INCREASED CONTACT BETWEEN ALKALI AND SULFUR BE*	
NOX	213.0000 LB/H 175.0000 PPM AT 10%O2 REDUCED TEMPERATURE IN PRECALCINING FURNACE HIGH FUEL EFFICIENCY	
PM	10.2000 LB/H 0.0130 GR/DSCF EA	
PM	0.0150 GR/ACFM BAGHOUSES	

CLINKER COOLER

OTHER PM POINT SOURCES

(CONTINUED) CREOLE CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INPLANT ROADS		PM	PAVING AND SWEEPING	
QUARRY HAUL ROADS		PM	10.0000 % OPACITY APPLY EMULSIFIED ASPHALT	
RAW MATL. & COAL STOCKPILES		PM	WETDUST SUPPRESSANT	
RAW MATL. HANDLING & CONVEYING		PM	10.0000 % OPACITY COVERING OR ENCLOSING	

NOTES

SO2 LIMIT FOR FIRING SECONDARY COAL TO BE REVISED AFTER REVIEWING CONTINUOUS MONITORING DATA AND AFTER DAILY RAW MATERIAL ANALYSES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 804

ID NUMBER CA-0006

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 2900.00 T/D

COMPANY NAME/SITE LOCATION DAL-TEX CEMENT

MIDLOTHIAN, TX

ELLIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. C-89%

DETERMINATION MADE BY TEXAS ACB (AGENCY)

GARY MCARTHUR (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/03/82
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

CEMENT KILN

2900.00 T/D

PM
SO2
NOX

0.3000 LB/T FEED
BAGHOUSE

NSPS
99.00

COAL HANDLING

21.00 T/H

FUG*
VE

SEE VE LIMIT
20.0000 % OPACITY
BAGHOUSE-UNLOAD,GRINDING,FEED BIN

NSPS
99.00

FINISH MILLS

2900.00 T/D

PM

78.0000 T/YR
BAGHOUSE

99.00

NOTES

NO EMISSION POINT FOR CLINKER COOLER. PART OF EXHAUST IS RECIRCULATED TO THE CLINKER COOLER THROUGH A HEAT EXCHANGER AND THE REMAINDER IS USED AS COMBUSTION AIR FOR THE KILN /PREHEATER/PRECALCINER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 805

ID NUMBER TX-0100

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING

COMPANY NAME/SITE LOCATION DIXIE CEMENT CO.

RICHARD CITY, TN

MARION COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY TENNESSEE APCD
(AGENCY)

ANN NIELSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/10/81
ESTIMATED DATE OF START-UP--
(615)-741-3651
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

KILN

330000.00 LB/H

PM

0.3000 LB/T KILN FEED
33.0900 LB/H

FABRIC FILTER

99.90

SO2

4.1600 LB/H

LIMESTONE INJECTION

85.00

NOX

110.0000 LB/H

DRY PROCESS/COAL FIRED

BACT

CLINKER COOLER

198413.00 LB/H

PM

15.8700 LB/H
FABRIC FILTER

BACT
99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 80's

ID NUMBER TN-0006

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 108.00 T/H
 COMPANY NAME/SITE LOCATION FLORIDA MINING & MATERIALS CORP. BROOKSVILLE, FL 33512 HERNANDO COUNTY
 P.O. BOX 6

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. FL-063 DATE OF PERMIT ISSUANCE-- 03/25/81
 DETERMINATION MADE BY FLORIDA DER ESTIMATED DATE OF START-UP-- 1983
 (AGENCY) (904)-488-1344
 JOHN SVEC (PHONE)
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ROTARY KILN	108.00 T/H	PM	0.2000 LB/T FEED BAGHOUSE	BACT 99.90
CLINKER COOLER		PM	0.0660 LB/T KILN FEED BAGHOUSE	BACT 99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 807

ID NUMBER FL-0024

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 100000.00 T/YR

COMPANY NAME/SITE LOCATION IDEAL BASIC CEMENT SALINA, UT

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/28/82
 PERMIT NO. MIN 042582--INT ESTIMATED DATE OF START-UP-- 1983
 DETERMINATION MADE BY UTAH DOH (801)-533-6108
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

CEMENT BINS 100000.00 T/YR PM 0.0150 GR/DSCF BAGHOUSE 99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 808 ID NUMBER UT-0026 SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 1.60 MMT/YR

COMPANY NAME/SITE LOCATION KAISER CEMENT & GYPSUM CORP. PERMANENTE, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. SFB-78-03
 DETERMINATION MADE BY EPA REGION IX (AGENCY)
 DON HARVEY (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 12/26/78
 ESTIMATED DATE OF START-UP-- (415)-974-8223 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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KILN-MILL, #1 & 2	5000.00 T/D	PM	18.0000 LB/H 0.0200 GR/DSCF BAGHOUSE	99.00 BACT
		SO2	481.0000 LB/H 185.0000 PPM	
		NOX	1158.0000 LB/H REDUCED FUEL USAGE & LOW TEMPERATURE	BACT

CLINKER COOLER

PRECALCINER COAL SYS

KILN COAL SYS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 809

ID NUMBER CA-0019

SOURCE TYPE CODE 9.4

MODIFY EXISTING WET PROCESS FACILITY TO DRY USING SUSPENSION PREHEATERS & PRECALCINERS. SO2 AND NOX LIMITS SUBJECT TO REVISION
UPON COMPLETION OF EMISSION TESTING -- LACK OF EMISSIONS DATA FROM PROCESS.
FUGITIVE DUST SOURCES TO BE CONTROLLED BY APPROPRIATE MEANS (COVERING, SUPPRESSION AND STABILIZATION SYSTEMS) SUCH THAT THERE A
RE NO VISIBLE EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 810

ID NUMBER CA-0019

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 6000.00 T/D

COMPANY NAME/SITE LOCATION LAS VEGAS PORTLAND CEMENT JEAN, NV

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. NSR-4-7-1 NV-81-01
 DETERMINATION MADE BY EPA REGION IX (AGENCY)
 BOB BAKER
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 02/01/82
 ESTIMATED DATE OF START-UP--
 (415)-974-8215
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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KILN, 2	125.00 T/H, EA	SO2	260.0000 LB/H 2 H AV 72.0000 PPM, 2 H AVG COAL LIMITED TO 0.9% S	BACT
		SO2	150.0000 LB/H 30 D AV 44.0000 PPM, 30 D AVG COAL LIMITED TO 0.9% S	80.00 BACT
		NOX	261.0000 LB/H 115.0000 PPM	80.00 BACT
		CO	30.0000 LB/H	BACT
		PH	98.0000 LB/H 0.0125 GR/DSCF ESP	BACT
		VE	10.0000 % OPACITY ESP	99.90 BACT
		BE	0.0290 LB/D	99.90 BACT
		PH	40.0000 LB/H 0.0085 GR/DSCF	BACT
		VE	10.0000 % OPACITY BAGHOUSE & MULTICYCLONE	99.90 BACT
		VE	10.0000 % OPACITY BAGHOUSE & MULTICYCLONE	99.90 BACT
CLINKER COOLER, 2	125.00 T/H, EA			

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 812

ID NUMBER NV-0007

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 2000.00 T/D
 COMPANY NAME/SITE LOCATION LONESTAR FLORIDA PENNSUCO, INC. HIALEAH, FL 33012 DADE COUNTY
 11000 N.W. 121 ST.

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 03/19/80
 PERMIT NO. (REGION FILE NO.) PSD-FL-028 ESTIMATED DATE OF START-UP-- 1981
 DETERMINATION MADE BY FLORIDA DER (904)-468-1344
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

CEMENT KILN	1.48 T/H	PH	28.7000 LB/H ESP	NSPS 99.00
CLINKER COOLER	148.00 T/H	PH	14.3000 LB/H BAGHOUSES	NSPS 99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 137.00 T/H

COMPANY NAME/SITE LOCATION LONESTAR FLORIDA PENNSUCO, INC. HIALEAH, FL 33012 DADE COUNTY
P.O. BOX 122035

DETERMINATION IS FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 07/08/81
PERMIT NO. FSC-FL-050 ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY FLORIDA DER ED PALAGYI (904)-468-1344
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT THROUGHPUT EMISSION LIMITS ... & BASIS
TO THIS PERMIT CAPACITY POLLUTANT CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

CEMENT KILN 137.50 T/H PH 0.0100 GR/ACF NSPS
ESP 99.90

NOTES -----
FUEL CONVERSION GAS TO COAL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 1.00 MMT/YR

COMPANY NAME/SITE LOCATION LONESTAR INDUSTRIES INC. GEORGETOWN, TX WILLIAMSON COUNTY

DETERMINATION IS BACK FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/19/80
 PERMIT NO. PSD-TX-174 ESTIMATED DATE OF START-UP-- 1981
 DETERMINATION MADE BY EPA REGION VI (214)-767-1594
 (AGENCY) BILL TAYLOR (PHONE)
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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KILN MILL AND ALKALI BYPASS	1.00 MMT/YR	PH	30.6000 LB/H BAGHOUSE	99.90
		SO2	960.0000 LB/H PRECALCINER PROCESS DESIGN	60.00
		NOX	360.0000 LB/H PRECALCINER PROCESS DESIGN.	
TRUCK AND RAIL UNLOAD		PH	0.5000 LB/H BAGHOUSE	99.90
		PH	0.3000 LB/H BAGHOUSE	99.90
COAL RECLAIM TRANSFER		PH	2.6000 LB/H BAGHOUSE	99.00
LIMESTONE STORAGE		PH	0.2000 LB/H BAGHOUSE	99.90
LIMESTONE RECEIVING		PH		

(CONTINUED) LONESTAR INDUSTRIES INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIMESTONE RECLAIM TRANSFER		PM	0.3000 LB/H BAGHOUSE	99.90
ROLLER MILL SURGE BIN		PM	0.3000 LB/H BAGHOUSE	99.90
RAW STORAGE FEED BELT		PM	0.6000 LB/H BAGHOUSE	99.90
ADDITIVE RECLAIM TRANSFER		PM	0.3000 LB/H BAGHOUSE	99.90
ADDITIVE BIN		PM	0.5000 LB/H BAGHOUSE	99.90
LIMESTONE BIN		PM	0.5000 LB/H BAGHOUSE	99.80
FEED ELEVATOR LOAD		PM	0.3000 LB/H BAGHOUSE	99.90
FEED ELEVATOR DISCHARGE		PM	0.3000 LB/H BAGHOUSE	99.90
HOMOGENIZING SILO		PM	1.3000 LB/H BAGHOUSE	99.90
HOMOGENIZING SILO DISCHARGE ELE*		PM	0.2000 LB/H BAGHOUSE	99.90

(CONTINUED) LONESTAR INDUSTRIES INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ADDITIVE RECLAIM TRANSFER		PM	0.5000 LB/H BAGHOUSE	99.90
COAL MILL FEEDER - CALCINER		PM	0.3000 LB/H BAGHOUSE	99.90
COAL MILL FEEDER - KILN		PM	0.3000 LB/H BAGHOUSE	99.60
WASTE DUCT BIN		PM	0.1000 LB/H BAGHOUSE	99.80
CLINKER COOLER DISCHARGE		PM	0.3000 LB/H BAGHOUSE	99.90
CLINKER COOLER		PM	22.0000 LB/H BAGHOUSE	99.90
CLINKER SCREENING		PM	0.8000 LB/H BAGHOUSE	99.90
CLINKER BINS		PM	0.1000 LB/H BAGHOUSE	99.90
FINISH MILL 1 & 2		PM	2.6000 LB/H EA BAGHOUSE	99.90
AIR SEPERATORS, 2		PM	3.9000 LB/H EA BAGHOUSE	99.90

(CONTINUED) LONESTAR INDUSTRIES INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FRINGE BIN		PM	0.3000 LB/H BAGHOUSE	99.90
CLINKER RECLAIM		PM	0.9000 LB/H BAGHOUSE	99.90
RAIL LOAD		PM	0.7000 LB/H BAGHOUSE	99.90
CEMENT STORAGE SILO, 2		PM	0.9000 LB/H EA BAGHOUSE	99.30

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING

750000.00 T/YR

COMPANY NAME/SITE LOCATION LONESTAR INDUSTRIES INC.

CONCRETE, WA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-X82-03
DETERMINATION MADE BY EPA REGION X
(AGENCY)

PAUL BOYS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/25/82
ESTIMATED DATE OF START-UP-- 1983
(206)-442-1106
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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CEMENT KILN AND MILL 2.91 MMBTU/T CLI*

PM	0.0100 GR/ACF 20.6000 LB/H	BAGHOUSE, FIBERGLASS BAGS		99.90
SO2	275.0000 LB/H 1205.0000 T/YR	MINIMIZED BY PROCESS DESIGN		
NOX	300.0000 LB/H 1314.0000 T/YR	MINIMIZED BY PROCESS DESIGN		

CLINKER COOLER

PM	0.0100 GR/ACF 16.1000 LB/H	BAGHOUSE, NOMEX BAGS		
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MATERIALS HANDLING EQUIP., 37 U*

PM	0.0100 GR/ACF 5.0000 % OPACITY	BAGHOUSE		
----	-----------------------------------	----------	--	--

QUARRY, STACKER-RECLAIMER, COAL*

PM	10.0000 % OPACITY	NET SUPPRESSION		
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NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WA-0004

SOURCE TYPE CODE 9.4

BACT FOR PARTICULATE WAS BASED ON EXPECTED PERFORMANCE OF BAGHOUSES. IF THE KILN EMISSION LIMITATION IS EXPRESSED IN THE UNITS OF THE NSPS IT IS CONSIDERABLY SMALLER DUE TO PROCESS DESIGN AND BAGHOUSE PERFORMANCE. THE PRECALCINER DESIGN IS EXPECTED TO RESULT IN LOWER SO₂ AND NO_x EMISSIONS THAN THE CONVENTIONAL WET OR DRY PROCESS CEMENT PLANT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 820

ID NUMBER MA-0004

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 1.70 HT/D
 COMPANY NAME/SITE LOCATION LONESTAR PORTLAND CEMENT
 NEAR GRANTSVILLE , UT TOOLE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. DATE OF PERMIT ISSUANCE-- 01/16/81
 DETERMINATION MADE BY EPA REGION VIII ESTIMATED DATE OF START-UP--
 (AGENCY) (303)-837-3763
 JOHN DALE (PHONE)
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ADD. RECLAIM		PH	0.5100 LB/H FF	BACT 99.90
AIR SEPARATOR		PM	3.8600 LB/H FF	BACT 99.90
ALKALI BYPASS		PM	3.0000 LB/H FF	BACT 99.90
		VE	20.0000 % OPACITY	
CEM SILO BUCKET		PM	0.6900 LB/H FF	BACT 99.90
CEM SILO LDOUT		PM	2.1400 LB/H FF	BACT 99.90
CLK COOL ELEV		PM	0.3300 LB/H FF	BACT 99.90

(CONTINUED) LONESTAR PORTLAND CEMENT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CLK COOLER		PM	11.1000 LB/H FF	BACT 99.90
CLK RECL		VE	20.0000 % OPACITY	
COAL CRUSHER	61.90 MT/YR	PM	0.5600 LB/H FF	BACT 99.90
		PM	0.5900 LB/H FF	BACT 99.90
COAL MILL	61.90 MT/YR	VE	10.0000 % OPACITY	
		PM	1.7100 LB/H FF	BACT 99.90
COAL MILL SURGE		VE	10.0000 % OPACITY	
FINISH MILL		PM	0.3400 LB/H FF	BACT 99.90
FRINGE BIN		PM	2.5700 LB/H FF	BACT 99.90
GYP BIN LDOUT		PM	0.2600 LB/H FF	BACT 99.90
HZ-LINE LDOUT		PM	0.4300 LB/H FF	BACT 99.90
		PM	0.2100 LB/H FF	BACT 99.90

(CONTINUED) LONESTAR PORTLAND CEMENT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN GASES	1.70 MT/D	NOX	1.6000 LB/T FEED 236.6000 LB/H KILN	BACT
		SO2	0.6000 LB/T FEED 64.5000 LB/H KILN	BACT
LIMESTONE RECL		PM	0.5100 LB/H FF	85.00
RAW MILL		PM	12.0000 LB/H FF	BACT 99.90
PREHEAT BUCKET		VE	20.0000 % OPACITY	BACT 99.90
PRIME CRUSHER		PM	0.1700 LB/H FF	BACT 99.90
RAW MATL BIN		PM	2.1500 LB/H FF	BACT 99.90
RAW MATL BIN		PM	0.2600 LB/H FF	BACT 99.90
RAW MATL BIN		PM	0.1700 LB/H FF	BACT 99.90
RAW MATL RECL.		PM	0.5100 LB/H FF	BACT 99.90

(CONTINUED) LONESTAR PORTLAND CEMENT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RANKL SURGE BIN		PM	0.5100 LB/H FF	BACT 99.90
SECOND CRUSHER		PM	1.0300 LB/H FF	BACT 99.90
SILO 2 EA		PM	0.5100 LB/H EA FF	BACT 99.90
SILO ELEVATOR		PM	0.2100 LB/H FF	BACT 99.90
SILO RELCAIM		PM	0.2100 LB/H FF	BACT 99.90
SILO TYPE II		PM	0.8600 LB/H FF	BACT 99.90
SILO TYPE V		PM	0.3500 LB/H FF	BACT 99.90
SILO-CLK-1		PM	0.2600 LB/H FF	BACT 99.90
SILO-CLK-2		PM	0.2600 LB/H FF	BACT 99.90
TRANS CONVEY.		PM	1.0300 LB/H FF	BACT 99.90

(CONTINUED) LONESTAR PORTLAND CEMENT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TRANS TOWER		PM	0.5100 LB/H FF	BACT 99.90
WASTE BIN		PM	0.2600 LB/H FF	BACT 99.90

NOTES -----
KILN OPERATION IS NOT TO EXCEED 300 D/YR. KILN EXHAUST GASES ARE EMITTED FROM BOTH THE MILL AND THE BYPASS STACKS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING

5.00 MT/YR

COMPANY NAME/STATE LOCATION MONOLITH PORTLAND CEMENT CO.

MONOLITH, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) SE 78-11
DETERMINATION MADE BY EPA REGION IX
(AGENCY)

DON HARVEY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/23/81
ESTIMATED DATE OF START-UP--
(415)-974-8223
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

ROTARY KILN 500000.00 T/YR

NOX	260.0000 LB/H	COAL FIRED, WET PROCESS	BACT
SO2	300.0000 LB/H	BAGHOUSE	BACT
PM	21.4000 LB/H	ALKALINE CEMENT DUST	90.00
	0.0250 GR/DSCF	BAGHOUSE	NSPS
BE	21.4000 LB/H	BAGHOUSE	99.60
	0.0200 GR/DSCF	BAGHOUSE	NSPS
			99.60

KILN DUST RECYCLE

PM NONE

CLINKER COOLER

500000.00 T/YR

PM	12.9000 LB/H	REINJECTION INTO KILN	NSPS
	0.0120 GR/DSCF	BAGHOUSE	

NOTES -----
CONSTRUCTION OF A ROT. CEMENT KILN, CLINKER COOLER, AND COAL MILL. ONLY LO M SULFUR FUEL (1.5% BY WT.) MAY BE USED IN KILN. QT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER CA-0028

SOURCE TYPE CODE 9.4

RLY BERYLLIUM MONITORING IS REQUIRED. BACT DETERMINATION: 1) TECHNOLOGY & ECONOMICS, 2) TECHNOLOGY, 3) TECH. AND NSPS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 827

ID NUMBER CA-0028

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 775.00 T/D
 COMPANY NAME/SITE LOCATION SOUTHWESTERN PORTLAND CEMENT CO. AMARILLO, TX POTTER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. (REGION FILE NO.) PSD-TX-351
 DETERMINATION MADE BY EPA REGION VI (AGENCY)
 BILL TAYLOR (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 02/26/81
 ESTIMATED DATE OF START-UP--
 (214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... BASIS
 ... PCT EFF

ROTARY KILN, COAL FIRED 213.00 HHBTU/H SO2 2.4100 LB/HHBTU BACT
 ALKAL IN RAH MAT. REACT W/SUL. 20.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 828

ID NUMBER TX-0033

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 4000.00 T/D
 COMPANY NAME/SITE LOCATION SOUTHWESTERN PORTLAND CEMENT CO. LEA ODESSA, TX ECTOR COUNTY

DATE OF PERMIT ISSUANCE-- 11/05/81
 ESTIMATED DATE OF START-UP--
 (214)-767-1594
 (PHONE)

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. (REGION FILE NO.) PSD-TX-352M-1
 DETERMINATION MADE BY EPA REGION VI
 (AGENCY)

JOHN BENHAM
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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KILN 1, COAL FIRED	167.50 MBTU/H	SO2	1.1180 LB/MBTU NONE UNKNOWN UNKNOWN	BACT
KILN 2, COAL FIRED	165.00 MBTU/H	SO2	0.5240 LB/MBTU MODERAT. S COAL/PARTIAL SCRUB. UNKNOWN UNKNOWN	BACT
KILN 3, COAL FIRED	275.00 MBTU/H	PM	0.3000 LB/T D FEED 2 BAGHOUSES LB/MBTU	NSPS 99.00 BACT
		SO2	0.4680 LB/MBTU LOW S COAL/PARTIAL SCRUBING	BACT
		NOX	0.3200 LB/MBTU KILN DESIGN	BACT
BLEND SILO		PM	1.2300 LB/H BAGHOUSE	BACT 99.00

(CONTINUED) SOUTHWESTERN PORTLAND CEMENT CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL MILL		PM	4.2500 LB/H BAGHOUSE	BACT 99.00
COAL TRANSFER		PM	0.2600 LB/H ENCLOSED BAGHOUSE WET SPRAY	BACT 99.00
COAL BIN		PM	0.2100 LB/H BAGHOUSE	BACT 99.00
COAL CRUSHER		PM	0.2100 LB/H BAGHOUSE	BACT 99.00
4 CLINKER TRANSFERS		PM	0.2100 LB/H EA BAGHOUSE	BACT 99.00
DUST BIN		PM	0.2100 LB/H BAGHOUSE	BACT 99.00
CLINKER COOLER		PM	0.1000 LB/T D FEED GRAVEL BED FILLER	NSPS 99.00
COAL UNLOAD		PM	0.2920 LB/H ENCLOSED, H2O SPRAY	BACT 50.00
TRAVELING STACKER		PM	0.0100 LB/H NET SUPPRESSION	BACT 80.00

(CONTINUED) SOUTHWESTERN PORTLAND CEMENT CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE PILE		PM	0.5300 LB/H WET SUPPRES., COMPACT.	BACT 90.00
TRAFFIC AROUND PILE		PM	0.0500 LB/H WET SUPPRES., COMPACT.	BACT 90.00
ROAD OUT		PM	0.0080 LB/H WET SUPPRES., COMPACT.	BACT 90.00
TRUCK LOAD		PM	5.8400 LB/H	BACT
TRUCK DUMPING		PM	2.3500 LB/H	BACT
CONVEYOR TRANSFER		PM	3.5200 LB/H BAGHOUSE	BACT 99.00
HOMOGENIZING SILO		PM	2.5400 LB/H BAGHOUSE	BACT 99.00
HOMOGENIZING SILO		PM	0.1600 LB/H BAGHOUSE	BACT 99.00
KILN LEVEL TANK		PM	0.7900 LB/H BAGHOUSE	BACT 99.00
CLINKER COOLER		PM	0.4000 LB/H BAGHOUSE	BACT 99.00

(CONTINUED) SOUTHWESTERN PORTLAND CEMENT CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... BASIS ... PCT EFF
CLINKER TRANSFER		PM	0.4800 LB/H BAGHOUSE	BACT 99.00
2 CLINKER STORAGE BINS		PM	0.3200 LB/H EA BAGHOUSE	BACT 99.00
CLINKER STORAGE BIN		PM	0.1600 LB/H BAGHOUSE	BACT 99.00
3 CEMENT SILOS		PM	1.1100 LB/H EA BAGHOUSE	BACT 99.00
2 CEMENT SILOS		PM	0.3200 LB/H EA BAGHOUSE	BACT 99.00
RAW MILL		PM	0.7100 LB/H BAGHOUSE	BACT 99.00
RAW MILL		PM	1.1900 LB/H BAGHOUSE	BACT 99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0032

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 2750.00 T/D

COMPANY NAME/SITE LOCATION TEXAS CEMENT CO.
P.O. BOX 610 BUDA, TX 78610

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-194
DETERMINATION MADE BY EPA REGION VI
(AGENCY) JOHN BUNYAK
(AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 05/16/80
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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KILN AND RAW MILL	2750.00 T/D	PM	33.7000 LB/H BAGHOUSE	BACT 99.90
		NOX	240.0000 LB/H	BACT
		SO2	416.0000 LB/H FLASH CALCINER, LEA MATERIAL ALKALINITY	BACT 75.00
MATERIAL CRUSHING		PM	5.9000 LB/H BAGHOUSE	BACT 99.80
BLENDING SILOS		PM	3.1000 LB/H BAGHOUSE	BACT 99.80
CLINKER COOLER		PM	6.6000 LB/H BAGHOUSE	BACT 99.00
FINISH SILO		PM	2.1000 LB/H BAGHOUSE	BACT 99.80

(CONTINUED) TEXAS CEMENT CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... FCT EFF
COAL & GYPSUM HANDLING		PM	3.2000 LB/H BAGHOUSE	BACT 99.80
CEMENT BAG PACKING		PM	1.8000 LB/H BAGHOUSE	BACT 99.80
FINISH MILL		PM	6.0000 LB/H BAGHOUSE	BACT 99.80

NOTES -----
EXPANDED CAPACITY FROM 1375 TONS/DAY TO 2750 TONS/DAY. QUARRY OPERATIONS LIMITED TO 10 HRS/DAY, 6 DAYS/WK AND DELIVERY OF NO MO
RE THAN 10000 TONS OF QUARRIED MATERIAL PER DAY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE

PAGE 6- 834

ID NUMBER TX-0068

SOURCE TYPE CODE 9.4

APPE IX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 1800.00 T/D

COMPANY NAME/SITE LOCATION ASH GROVE CEMENT CO. LOUISVILLE, NE

DETERMINATION IS LAER PERMIT NO. DETERMINATION MADE BY NEBRASKA DEC (AGENCY) GENE ROBINSON (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 10/22/80 ESTIMATED DATE OF START-UP-- 1982 (402)-471-2186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN	1800.00 T/D	PM	0.0100 GR/ACFM ESP'S/RECIRCULATION	99.70
CLINKER COOLER	150000.00 LB/H	PM	0.0090 GR/ACFM FABRIC FILTER	99.70
KILN FEED SYS	250000.00 LB/H	PM	FABRIC FILTER A/C RATIO NOT > 5.8:1	99.70
COAL GRINDING SYS	22900.00 LB/H	PM	FABRIC FILTER A/C RATIO NOT > 4.14:1	99.70

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 835

ID NUMBER NE-0001

SOURCE TYPE CODE 9.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 100.00 T/H

COMPANY NAME/SITE LOCATION ATLANTIC CEMENT CO., INC.

SPARROWS POINT, MD 21219

BALTIMORE COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 03-6-0932
DETERMINATION MADE BY

CARL YORK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/03/80
ESTIMATED DATE OF START-UP-- 1982
(301)-383-2776
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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FLUIDIZED BED SLAG DRYER	125.00 T/H	PM	0.0200 GR/DSCF CYCLONE/BAGHOUSE	LAER 99.00
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CONVEYING & MILLING	110.00 T/H	PM	0.0200 GR/DSCF BAGHOUSES	LAER 99.00
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BARGE AND SHIP LOADING	1500.00 T/H	PM	0.0200 GR/DSCF DUSTLESS CHUTES/BAGHOUSES	LAER 99.00
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ROADS		PM	PAVEMENT	90.00
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STOCKPILES		PM	WET SUPPRESSION	80.00
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NOTES -----
CEMENT MANUFACTURED FROM GRANULATED SLAG

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 836

ID NUMBER ID-0015

SOURCE TYPE CODE 9.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 375.00 T/H

COMPANY NAME/SITE LOCATION BANKS CONSTRUCTION CO.
P.O. BOX 4426

SUTHERVILLE, SC

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PSD-SC-032
DETERMINATION MADE BY

SOUTH CAROLINA DHEC
(AGENCY)

DAVID FLEMING
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/01/80
ESTIMATED DATE OF START-UP--
(803)-758-5406
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

CEMENT KILN

375.00 T/H

PM

17.5000 LB/H
BAGHOUSE

NSPS
99.50

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 837

ID NUMBER SC-0009

SOURCE TYPE CODE 9.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 1.50 MT/D

COMPANY NAME/SITE LOCATION BEEHIVE CEMENT, SANTAGUIN PLANT
NEAR GENOLA

, UT

UTAH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.

DATE OF PERMIT ISSUANCE-- 02/27/81
ESTIMATED DATE OF START-UP--
(303)-837-3763
(PHONE)

DETERMINATION MADE BY EPA REGION VIII
(AGENCY)

JOHN DALE
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

POLLUTANT
EMITTED

THROUGHPUT
CAPACITY

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

BIN FEED-CLK

BACT
99.80

CEM MILL FD

90.00 T/H CEMENT

0.5000 LB/H
FF 10.0000 % OPACITY

VE

BACT
99.80

CEM ML CIRC

0.7000 LB/H
FF 10.0000 % OPACITY

PM

BACT
99.80

CEM PACK SYS

515.00 MT/YR

2.0000 LB/H
FF 10.0000 % OPACITY

VE

BACT
99.80

CEM SILO B&KF

0.7000 LB/H
FF 10.0000 % OPACITY

PM

BACT
99.80

1.1000 LB/H
FF 10.0000 % OPACITY

VE

BACT
99.80

(CONTINUED) BEEHIVE CEMENT, SANTAGUIN PLANT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CEM SILO COLL. @ EA		PM	0.3000 LB/H EA FF	BACT 99.80
		VE	10.0000 % OPACITY	
CEM SILO LDOUT @ EA		PM	0.7000 LB/H EA FF	BACT 99.80
		VE	10.0000 % OPACITY	
CEM SILO TOP		PM	1.5000 LB/H FF	BACT 99.80
		VE	10.0000 % OPACITY	
CLK CONV SYS, @		PM	0.5000 LB/H FF	BACT 99.80
		PM	0.3000 LB/H FF	BACT 99.80
		PM	0.3000 LB/H FF	BACT 99.80
		PM	1.8000 LB/H FF	BACT 99.80
		VE	10.0000 % OPACITY	BACT 99.80
CLK COOL VENT		PM	10.3500 LB/H FF	BACT 99.80
		VE	10.0000 % OPACITY	
COAL RECI BIN	71.30 MT/YR	VE	10.0000 % OPACITY ENCLOSURE	BACT 40.00
COAL RECL PILE	71.30 H./YR	VE	10.0000 % OPACITY ENCLOSURE	BACT 20.00

(CONTINUED) BEEHIVE CEMENT, SANTAGUIN PLANT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GYP BIN FEED		PH	0.5000 LB/H FF	BACT 99.60
INACT. PILE ERO		VE	10.0000 % OPACITY	
		VE	10.0000 % OPACITY SURFACTANT	BACT 90.00
KILN	1.50 HT/D	NOX	NO CONTROL	BACT
		SO2	0.4700 LB/T FEED KILN	BACT 73.00
KILN/RAHML EXH	1.50 HT/D	PH	14.3000 LB/H FF	BACT 99.60
		VE	20.0000 % OPACITY	
LIMESTN BINFD		PH	0.4000 LB/H FF	BACT 99.60
		VE	10.0000 % OPACITY	
LIMESTONE CONV		PH	ENCLOSURE	BACT 90.00
LIVE PILE EROS		PH	SURFACTANT	BACT
RAW MATL BIN FD		PH	0.7000 LB/H FF	BACT 99.60
		VE	10.0000 % OPACITY	

(CONTINUED) BEEHIVE CEMENT, SANTAGUIN PLANT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAW MATL TRANS.		PM	0.3000 LB/H FF	BACT 99.80
		VE	10.0000 % OPACITY	
RAWML ADD CRUSH		PM	1.1000 LB/H FF	BACT 99.80
		VE	10.0000 % OPACITY	
RAWML CIR EQ		PM	0.5000 LB/H FF	BACT 99.80
		VE	10.0000 % OPACITY	
RAWML FD SYS		PM	1.1000 LB/H FF	BACT 99.80
		VE	10.0000 % OPACITY	

NOTES -----
LIMITED TO 330 D/YR OPERATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 1.60 MT/D

COMPANY NAME/SITE LOCATION MARTIN MARIETTA-LEAMINGTON

LEAMINGTON CANYON, UT

JUAB COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE-- 06/06/81

ESTIMATED DATE OF START-UP--

(303)-837-3763

(PHONE)

JOHN DALE

(AGENCY CONTACT PERSON)

EPA REGION VIII

(AGENCY)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

ALKALI BYPASS

PH 8.2000 LB/H

FF

20.0000 % OPACITY

BACT 99.90

ALKALI BYPASS

PH 0.3000 LB/H

FF

0.8000 LB/H

BACT 99.80

BLEND & KILN FEED

PH 10.0000 % OPACITY

FF

0.3000 LB/H

BACT 99.80

2ND BLEND & KILN FEED

PH 10.0000 % OPACITY

FF

10.2000 LB/H

BACT 99.80

BURN/COOL

PH 10.0000 % OPACITY

FF

10.0000 % OPACITY

BACT 99.80

(CONTINUED) MARTIN MARIETTA-LEAMINGTON

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL STOR. & HL		PM	0.2000 LB/H FF	BACT 99.80
COAL STOR. & HL		VE	10.0000 % OPACITY	
CRUSHING		PM	3.1000 LB/H FF	BACT 99.80
CRUSHING		VE	10.0000 % OPACITY	
FINISH GRIND		PM	3.1000 LB/H FF	BACT 99.80
FINISH GRIND		VE	10.0000 % OPACITY	
FINISH GRIND		PM	1.4000 LB/H FF	BACT 99.80
FINISH GRIND		VE	10.0000 % OPACITY	
FINISH GRIND		PM	5.0000 LB/H FF	BACT 99.90
FINISH GRIND		VE	10.0000 % OPACITY	
FINISH GRIND		PM	2.3000 LB/H FF	BACT 99.90
FINISH GRIND		VE	10.0000 % OPACITY	
KILN SYS		NOX	101.5000 LB/H 0.8000 LB/T FEED DESIGN	BACT 99.90
KILN SYS		SO2	98.8000 LB/H 0.7700 LB/T FEED KILN	BACT 99.90
				55.00

(CONTINUED) MANTIN MARIETTA-LEAMINGTON

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
QUARRY I		VE	10.0000 % OPACITY FUG.CONTROLS	BACT
QUARRY II		PM	10.0000 % OPACITY FUG.CONTROLS	BACT
RAW MATL STORAGE		PM	1.5000 LB/H FF	BACT 99.90
		VE	10.0000 % OPACITY	
RAW MILL		PM	18.2000 LB/H FF	BACT 99.90
		VE	20.0000 % OPACITY	
SILLO/LDOT-COAL		PM	0.9000 LB/H FF	BACT 99.80
		VE	10.0000 % OPACITY	
SILLO/LDOT-COAL		PM	0.6000 LB/H FF	BACT 99.80
		VE	10.0000 % OPACITY	
STORAGE PILES		VE	10.0000 % OPACITY FUG.CONTROLS	BACT
BURN/COOL		PM	0.4000 LB/H FF	BACT 99.80
		VE	10.0000 % OPACITY	

(CONTINUED) MARTIN MARIETTA-LEAHINGTON

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BURN/COOL

PM	0.4000 LB/H FF	BACT	99.80
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NOTES

KILN NOX EMISSION LIMIT IS BEING RE-EVALUATED. EXHAUST GAS FROM THE KILN ARE VENTED FROM THE FINISH HILL STACK AND THE ALKALY BY-PASS STACK. LIMITED TO 300 D/YR OPERATION OF THE KILN. DRY BLEND SYSTEM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER UT-0016

SOURCE TYPE CODE 9.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE---

COAL CLEANING

15500.00 T/D

COMPANY NAME/SITE LOCATION ETSI

REDFIELD, AR

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 700-A

DETERMINATION MADE BY ARKANSAS DPC

(AGENCY)

MIKE PORTA

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/28/83

ESTIMATED DATE OF START-UP--

(501)-562-7444

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

BOILER, COAL

498.00 MMBTU/H

PM

0.1000 LB/MMBTU

BAGHOUSE

SO2

1.2000 LB/MMBTU

LOW S COAL

NOX

0.7000 LB/MMBTU

STAGED COMBUSTION-LEA

CO

GOOD COMBUSTION

THERMAL DRYER, 9

15900.00 T/D

PM

0.0310 GR/DSCF

SCRUBBER

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 846

ID NUMBER AR-0009

SOURCE TYPE CODE 9.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

15900.00 T/D

COAL CLEANING

SOURCE TYPE/SIZE---

COMPANY NAME/SITE LOCATION ETSI

NEWARK, AR

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 705-A

DETERMINATION MADE BY ARKANSAS DPC

(AGENCY)

MIKE PORTA

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/28/83

ESTIMATED DATE OF START-UP--

(501)-562-7444

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER, COAL

498.00 HHBTU/H

PM

0.1000 LB/HHBTU

BAGHOUSE

SO2

1.2000 LB/HHBTU

LOW S COAL

NOX

0.7000 LB/HHBTU

STAGED COMBUSTION - LEA

CO

GOOD COMBUSTION

THERMAL DRYER

15900.00 T/D

PM

0.0310 GR/DSCF

SCRUBBER

NOTES -----

99.50

BACT

NSPS

NSPS

99.90

NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 847

ID NUMBER AR-0009

SOURCE TYPE CODE 9.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- COAL CLEANING

COMPANY NAME/SITE LOCATION SOUTHERN CA EDISON COALWATER STATION 12 MI. SE OF BARSTON, CA

DETERMINATION IS PERMIT NO. SE80-01 DETERMINATION MADE BY EPA REGION IX (AGENCY) DICK GROW (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 12/09/81 ESTIMATED DATE OF START-UP-- (415)-974-8219 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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COAL GASIFICATION UNIT	100.00 T/D	SO2	4.4000 LB/H SELEXOL 196.0000 LB/H SLOT/CLAUS SEL.: <.7% S, S/C: >.7% S FUEL	99.60
------------------------	------------	-----	---	-------

GAS TURBINE	100.00 M4	CO	77.0000 LB/H 3H AV 50.0000 PPHV, DRY, DAY AVG I & M PROGRAM, CO MONITORS	
		SO2	35.0000 LB/H <.7% S FUEL 175.0000 LB/H >.7% S FUEL 3 HOUR AVERAGES	
		CO	77.0000 LB/H 3H AV 50.0000 PPHV, DRY, DAY AVG I & M PROGRAM, CO MONITORS	
		SUL*	BACT INCORP. IN SO2 CONTRL.	
		NOX	140.0000 LB/H 3H AV 50.0000 PPHV, DRY, DAY AVG WATER INJECTION	

NOTES -----
BACT DETERMINED FROM TECHNOLOGY AND ECONOMICS. TWO MAJOR PROCESSES: ONE COAL GASIFICATION UNIT, ONE GAS TURBINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 848

ID NUMBER CA-0027

SOURCE TYPE CODE 9.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

1.46 MT/YR DRY

COAL CLEANING (THERMAL DRYER)

SOURCE TYPE/SIZE---

COMPANY NAME/SITE LOCATION CONSOL PENNSYLVANIA COAL CO.

RICHHILL, PA

GREENE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 82PA01

EPA REGION III
(AGENCY)

GREGORY HAH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/03/82
ESTIMATED DATE OF START-UP--
(215)-597-2745
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

THERMAL DRYER

352.00 T/H

PM

0.0310 GR/DSCF

VENTURI SCRUBBER

NSPS
99.00

SO2

1.9000 LB/HBTU

VENTURI SCRUBBER

15.00

NOX

0.6000 LB/HBTU

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 849

ID NUMBER PA-0025

SOURCE TYPE CODE 9.7

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COAL CLEANING (THERMAL DRYER)

COMPANY NAME/SITE LOCATION METTIKI COAL

DEER PARK, MD

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DATE OF PERMIT ISSUANCE-- 07/05/78
ESTIMATED DATE OF START-UP-- 1978

DETERMINATION MADE BY EPA REGION III
(AGENCY)

CRAIG HOLDEFER
(AGENCY CONTACT PERSON)

(301)-383-3147
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

THERMAL DRYERS

1.46 HMT/YR

PM

0.0096 GR/DSCF
31.7000 LB/H

SO2

MULTIPLE CYCLONE & VENTURI SCRUBBER
20.5000 PPM
78.6000 LB/H

99.70

NOTES

SOURCE HAS REQUESTED THAT PM EMISSIONS LIMIT BE RAISED TO 0.02 GR/DSCF. MARYLAND AIR MANAGEMENT ADMIN. WILL ALLOW THIS INCREASE IF SOURCE RESTRICTS OPERATIONS TO 16 H/D.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER MD-0016

SOURCE TYPE CODE 9.7

APPENDIX -- DETAILED SOURCE LISTING

06/29/1983

SOURCE TYPE/SIZE--- GLASS FIBER MANUFACTURING

COMPANY NAME/SITE LOCATION CERTAINTED CORP.

MADERA, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) SJ 80-02
DETERMINATION MADE BY EPA REGION IX
(AGENCY)

DATE OF PERMIT ISSUANCE-- 06/22/81
ESTIMATED DATE OF START-UP--
(415)-974-8062
(PHONE)

RICK SUGAREK
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

FURNACE, GLASS MELTING

200.00 MT/D

NOX

55.9000 LB/H GAS
40.0000 LB/H OIL

ELECT. BOOST MODIFICATION
REDUCED AIR COMBST MOD.

NOTES -----
BACT DETERMINED FROM TECHNOLOGY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER CA-0024

SOURCE TYPE CODE 9.8

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GLASS FIBER MANUFACTURING

COMPANY NAME/SITE LOCATION PPG INDUSTRIES

MIDLAND, TX

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-290
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

DATE OF PERMIT ISSUANCE-- 05/27/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... FLT EFF

GLASS MELTING FURNACE, 2

72.00 MBTU/H

PH	3.0000 LB/H N. GAS 0.0400 LB/MBT NAT. GAS BACT NOT REQUIRED	NSPS
SO2	59.0000 LB/H N. GAS 0.8100 LB/MBTU N. GAS CHEMICAL INJECTION	BACT
NOX	109.0000 LB/H N. GAS 1.5100 LB/MBTU N. GAS COMBUSTION CONTROL	BACT
FLU*	4.1000 LB/H N. GAS 0.0570 LB/MBTU N. GAS BACT NOT REQUIRED	
PH	3.4500 LB/H FUEL OIL 0.0500 LB/MBTU FUEL OIL BACT NOT REQUIRED	NSPS
SO2	93.5000 LB/H FUEL OIL 1.3000 LB/MBTU FUEL OIL CHEMICAL INJECTION	BACT
NOX	0.8500 LB/H FUEL OIL 1.1800 LB/MBTU FUEL OIL COMBUSTION CONTROL	BACT
FLU*	4.1000 LB/H FUEL OIL 0.0570 LB/MBTU FUEL OIL	

BACT NOT REQUIRED

(CONTINUED) PPG INDUSTRIES

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYING OVENS, 12	0.93 MMBTU/H	PM	0.0100 LB/H 0.0100 LB/MMBTU BACT NOT REQUIRED	BACT
		SO ₂	0.0060 LB/H 0.0060 LB/MMBTU NATURAL GAS FIRING	BACT
		NOX	0.2000 LB/H 0.2100 LB/MMBTU COMBUSTION CONTROL	BACT
POST BAKE OVENS	0.56 MMBTU/H	PM	0.0100 LB/H 0.0200 LB/MMBTU BACT NOT REQUIRED	BACT
		SO ₂	0.0003 LB/H 0.0005 LB/MMBTU NATURAL GAS FIRING	BACT
		NOX	0.1300 LB/H 0.2300 LB/MMBTU COMBUSTION CONTROL	BACT
BOILERS, 2	20.92 MMBTU/H	PM	0.3000 LB/H 0.0140 LB/MMBTU BACT NOT REQUIRED	BACT
		SO ₂	0.0100 LB/H 0.0005 LB/MMBTU NATURAL GAS FIRING	BACT
		NOX	4.6000 LB/H 0.2300 LB/MMBTU COMBUSTION CONTROL	BACT
MATERIAL HANDLING FACILITIES, 33		PM	0.3300 LB/H BACT NOT REQUIRED	

NOTES -----
THE GLASS MELTING FURNACES ARE PERMITTED TO FIRE EITHER NATURAL GAS/PROPANE OR FUEL OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FRIT MANUFACTURING 600.00 T/D

COMPANY NAME/SITE LOCATION GUARDIAN INDUSTRIES CORP. 43043 W. NINE MILE RD. NORTHVILLE, TX 48167 NAVARRO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 02/10/81 ESTIMATED DATE OF START-UP-- (214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

GLASS MELTING FURNACE STACK 600.00 T/D NOX 0.5000 LB/T LOW EXCESS AIR BACT SO2 0.1300 LB/T BACT PH 0.0600 LB/T PROCESS DESIGN BACT PROCESS DESIGN BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION BALL CORP.
NEAR ROSEVILLE

CA

PLACER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. SAC-79-02
DETERMINATION MADE BY

EPA REGION IX
(AGENCY)

DAVID SOLOMON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/13/80
ESTIMATED DATE OF START-UP--
(415)-974-8066
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

FURNACE, BOTTLE GLASS MELTING

438.00 T/D

NOX

6.3000 LB/T GLASS PULLED/H

75.0000 LB/H

HIGH LEVEL ELECT. BOOST
LOW EXCESS AIR

45.00

NOTES

MINIMUM 2500 KW BOOST FOR ALL PULL RATES OVER 285 T/DAY. FIRST NOX LIMIT -- ALL PULL RATES>285 T/DAY. 2ND LIMIT FOR RATES<285.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER CA-0020

SOURCE TYPE CODE 9.11

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION GUARDIAN INDUSTRIES CORP.

KINGSBURY, CA

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. SJ-78-86

DETERMINATION MADE BY

EPA REGION IX

(AGENCY)

DAVID SOLOMON

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/16/81

ESTIMATED DATE OF START-UP--

(415)-974-8066

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

GLASS MELTING FURNACE #2

650.00 T/D

SO2

SEE NOTE

CHEMICAL TREATMENT OF FURNACE OFFGASES NO MORE THAN 15 LB SALT CAKE PER 1000 LB SAND

NOX

340.0000 LB/H

BACT

PROPER FURNACE DESIGN

PH

12.2000 LB/H

ESP

20.00

NSPS

NOTES

COMPLIANCE WITH SO2 AND NOX LIMITS TO BE DETERMINED WITH CONTINUOUS MONITORS. SO2 EMISSION LIMIT IS 13 X (LB SALT CAKE PER 1000 LB SAND IN BATCH) - 6(LB S/HR) OR TO BE LESS THAN 137 LB/HR 0.59% S FUEL OIL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER CA-0002

SOURCE TYPE CODE 9.11

SOURCE TYPE/SIZE---		GLASS MANUFACTURING		750.00 T/D	
COMPANY NAME/SITE LOCATION		PPG INDUSTRIES		MOUNT ZION, IL	
				MACON COUNTY	
DETERMINATION IS BACT FOR A MODIFIED SOURCE.		CHRIS ROMAINE		DATE OF PERMIT ISSUANCE-- 05/29/80	
PERMIT NO. C 912026		ILLINOIS EPA		ESTIMATED DATE OF START-UP-- 1982	
DETERMINATION MADE BY		(AGENCY)		(217)-782-2113	
		(AGENCY CONTACT PERSON)		(PHONE)	
PROCESSES SUBJECT TO THIS PERMIT		THROUGHPUT CAPACITY		EMISSION LIMITS	
		750.00 T/D		CONTROL EQUIPMENT OR PROCESS MODIFICATION	
FLOAT GLASS PLANT				... & BASIS	
				NOX	
				SO2	
				PH	
				13.0000 LB/T GLASS PROD	
				1.6000 LB/T GLASS PROD	
				0.6000 LB/T GLASS PRODUCED	
				ESP	
				NSPS	

NOTES -----

04/29/1983

APPENDIX -- DETAILED SOURCE LISTING

SOURCE TYPE/SIZE--- GLASS MANUFACTURING 8.00 T/H

COMPANY NAME/SITE LOCATION PPG INDUSTRIES ALLEGHENY COUNTY
P.O. BOX 1356 CUMBERLAND, MD 21502

DATE OF PERMIT ISSUANCE-- 11/07/79
ESTIMATED DATE OF START-UP-- 1981
(215)-597-2711
(PHONE)

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 79MD05 VERNON BUTLER
DETERMINATION MADE BY (AGENCY CONTACT PERSON)
EPA REGION III
(AGENCY)

PROCESSES SUBJECT THROUGHPUT EMISSION LIMITS ... & BASIS
TO THIS PERMIT CAPACITY CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

GLASS FURNACE 8.00 T/H NOX 1.4550 LB/HMBTU BACT
SO2 8.0000 LB/H BACT
PH 11.5000 LB/H

NOTES -----
SMALLER THAN COMMERCIAL (PROTOTYPE) UNIT FOR TESTING & RESEARCH ON THIS PROCESS.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GYPSUM MANUFACTURING 150.00 MT/YR
 COMPANY NAME/SITE LOCATION CONTINENTAL LIME, INC
 NEAR DELTA , UT HILLARD COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. DATE OF PERMIT ISSUANCE-- 12/05/80
 DETERMINATION MADE BY EPA REGION VIII ESTIMATED DATE OF START-UP--
 (AGENCY) JOHN DALE (303)-837-3763
 (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CALC. PLANT	40.00 T/H STONE	PM 0.3000 LB/T FEED VE 10.0000 % OPACITY	TWIN CYC. & DUCON DYM SCRUBB.	BACT
COAL BIN STOR	394.00 MT/YR	PM 0.0040 LB/H VE 20.0000 % OPACITY	BAGHOUSE	BACT
FINISH PROD CRUSH	45.00 T/H COAL	PM 4.2000 LB/H VE 20.0000 % OPACITY	BAGHOUSE	BACT

NOTES -----
 CALCINER EMISSION LIMIT IS BEING CONTESTED THROUGH THE COURTS. SEE 'CFR THURSDAY, SEPT. 2, 1982'

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GYPSUM MANUFACTURING

425.00 MMCF/YR

COMPANY NAME/SITE LOCATION U.S. GYPSUM

SHEETWATER, TX

NOLAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-TX-255
DETERMINATION MADE BY

EPA REGION VI
(AGENCY)

BILL TAYLOR
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/13/80
ESTIMATED DATE OF START-UP-- 1981
(214)-767-1594
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

STORAGE PILE

425.00 MMSGF/YR

PM 1.5000 LB/H

SPROUT, HOOD, ENCLOSURE

34.00

LAND PLASTER STORAGE BIN

PM 0.3000 LB/H

BAGHOUSE

99.70

CALCINED GYPSUM STORAGE BIN

PM 0.3000 LB/H

BAGHOUSE

99.90

MACHINE DRY MIXING EQUIP.

PM 1.2000 LB/H

BAGHOUSE

99.90

POST STUCCO TREATMENT EQUIP.

PM 0.6000 LB/H

BAGHOUSE

99.90

END SAWING EQUIPMENT

PM 3.0000 LB/H

BAGHOUSE

99.90

(CONTINUED) U.S. GYPSUM

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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DRYING KILNS, 6

PM	0.7000 LB/H	NONE
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NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0054

SOURCE TYPE CODE 9.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- LINE MANUFACTURING 40000.00 LB/H
 COMPANY NAME/SITE LOCATION ARHCO INC. - PIQUA MINERALS PIQUA, OH MIAMI COUNTY
 P.O. BOX 911
 DETERMINATION IS B/L FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/15/81
 PERMIT NO. 08-362 ESTIMATED DATE OF START-UP-- 1982
 DETERMINATION MADE BY REGIONAL APC REBECCA POHLMAN (513)-335-5655
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIMESTONE CLASSIFIER	40000.00 LB/H	PM	0.0200 GR/DSCF 5.0000 LB/40000 LB PER H BAGHOUSE, 1 SMALL & 1 LARGE	BACT 99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER OH-0041

SOURCE TYPE CODE 9.13

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- LINE MANUFACTURING

COMPANY NAME/SITE LOCATION CHEMSTONE CORP.

ORANDA, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 20252

DETERMINATION MADE BY VIRGINIA APCB

(AGENCY)

KATHERINE MILLER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/07/83

ESTIMATED DATE OF START-UP--

(804)-786-4867

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

LINE KILN, COAL FIRED

54.00 MBTU/H

PM

0.2000 LB/T LIMESTONE FEED

MULTICLONE & BAGHOUSE

99.50

COAL HANDLING

2.50 T/H

PM

1.3200 T/YR

BAGHOUSE & WET SUPPRESSION

99.50

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 864

ID NUMBER VA-0021

SOURCE TYPE CODE 9.13

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---
LIME MANUFACTURING

COMPANY NAME/SITE LOCATION DAN RIVER, INC.

DANVILLE, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 30242
DETERMINATION MADE BY VIRGINIA APCB
(AGENCY)

RENALDO JENKINS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/22/82
ESTIMATED CAP OF START-UP--
(804)-786-486
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME MANUFACTURING PLANT	9.00 MHLB/YR	PM	4.5000 LB/H 16.2000 T/YR	BAGHOUSE

99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 865

ID NUMBER VA-0020

SOURCE TYPE CODE 9.13

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- LINE MANUFACTURING 10.40 T/H QUICKLINE
 COMPANY NAME/SITE LOCATION DONTAR INDUSTRIES, INC. BELLFONTE, PA CENTRE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 09/10/81
 PERMIT NO. 80PA02 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY EPA REGION III (215)-597-8186
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY 10.40 T/H QUICK L* EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

ROTARY KILN, NO. 1 COAL-FIRED PH 0.1800 LB/T LIMESTONE NSPS 99.90
 S02 1.1300 LB/T LIMESTONE BACT 90.00
 NOX 1.5000 LB/T LIMESTONE BACT
 LIME DUST INTERACTING WITH S02
 GOOD DESIGN & OPERATION

NOTES -----
 EXPANSION OF LINE PRODUCTION CAPACITY BY REHABILITATING NO. 1 KILN TO PRODUCE QUICK LINE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- LIME MANUFACTURING
 COMPANY NAME/SITE LOCATION J.E. BAKER CO. MILLERSVILLE, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. EPA-5-A-80-15
 DETERMINATION MADE BY OHIO EPA MJD (AGENCY)
 CHUCK HULL (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 02/22/80
 ESTIMATED DATE OF START-UP-- (419)-352-8411 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME KILN		FM	0.0300 GR/DSCF VENTURI SCRUBBER	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 867

ID NUMBER OH-0008

SOURCE TYPE CODE 9.13

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- MINERAL WOOL MANUFACTURING

COMPANY NAME/SITE LOCATION TEXACO, INC.
SAN ARDO OIL FIELD

CA

MONTEREY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. NCC-78-04
DETERMINATION MADE BY

EPA REGION IX
(AGENCY)

DON HARVEY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/09/80
ESTIMATED DATE OF START-UP--
(415)-974-8223
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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STEAM GEN., 3 EA	20.00 MBTU/H	SO2	0.5000 LB/MBTU 2.0000 %S FUEL OIL FLUE GAS DESULFURIZATION	BACT 75.00
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WASTE GAS INCIN.	50.00 MBTU/H	SO2	9.0000 LB/H NICKEL CHLORIDE H2S SCRUBBER	BACT 99.30
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NOTES -----
THERMALLY ENHANCED OIL RECOVERY (TEOR)

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 868

ID NUMBER CA-0004

SOURCE TYPE CODE 9.14

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- MINERAL WOOL MANUFACTURING

COMPANY NAME/SITE LOCATION U.S. GYPSUM

WABASH CITY, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-80-14
DETERMINATION MADE BY EPA REGION V
(AGENCY)

DATE OF PERMIT ISSUANCE-- 02/06/80
ESTIMATED DATE OF START-UP--
(312)-886-6074
(PHONE)

BONIFACE THAYIL
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

CUPOLA

12000.00 LB/H

CO

61.0000 LB/H

AFTERBURNER

94.00

PM

DROP OUT BIN & BAGHOUSE

99.00

SPINNER PRIMARY & SECOND. CYC

PM

9.0000 LB/H

DRY FILTER

90.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 869

ID NUMBER IN-0004

SOURCE TYPE CODE 9.14

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- MINERAL WOOL MANUFACTURING

COMPANY NAME/SITE LOCATION U.S. GYPSUM

GYPSUM, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-80-16
DETERMINATION MADE BY OHIO EPA N&D
(AGENCY)

DATE OF PERMIT ISSUANCE-- 03/11/80
ESTIMATED DATE OF START-UP--
(419)-352-8461
(PHONE)

CHUCK HULL
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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CUPOLA

PM	0.1500 LB/T PROC. WT. 0.9000 LB/H MAX	DROPOUT BIN AND BAGHOUSE
SO2	1.6000 LB/T PROC. WT. 9.6000 LB/H MAX	
CO	5.3500 LB/T PROC. WT. 32.0000 LB/H MAX	

FIBERIZATION PROCESS (FIBERIZIN*)

PM	0.5200 GR/CF 179.0000 LB/H	SCRUBBER
----	-------------------------------	----------

97.80

NOTES -----
SOURCE NOT BUILT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 070

ID NUMBER OH-0007

SOURCE TYPE CODE 9.14

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PERLITE MANUFACTURING
 COMPANY NAME/SITE LOCATION CAROLINA STALITE GOLD HILL, NC ROMAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. NC-082
 DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)
 MIKE SEWELL (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 11/05/81
 ESTIMATED DATE OF START-UP-- (919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

KILN, 2 EA PH 16.0000 LB/H EA BAGHOUSE
 SO2 1.2000 LB/HBTU EA LOW SULFUR COAL
 BACT 98.00
 BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 9.15

ID NUMBER NC-0018

PAGE 6- 871

APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE---		PHOSPHATE ROCK PROCESSING	
COMPANY NAME/SITE LOCATION		BRADENTON, FL 33507	MANATEE COUNTY
ESTECH GENERAL CHEMICALS 410 CORTEZ ROAD WEST			
DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 01/29/81	
PERMIT NO. PSD-FL-036		ESTIMATED DATE OF START-UP-- 1982	
DETERMINATION MADE BY		(904)-488-1344	
FLORIDA DER		(PHONE)	
(AGENCY)		WILLARD HAWKS	
		(AGENCY CONTACT PERSON)	
THROUGHPUT CAPACITY		EMISSION LIMITS	
		CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF	
ROCK DRYER		NSPS	
290.00 T/H	PM	0.0220 GR/DSCF	99.80
		NET SCRUBBER-CYCLONE TYPE	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 872

ID NUMBER FL-0021

SOURCE TYPE CODE 9.16

04/29/1983

APPENDIX -- DETAILED SOURCE LISTING

475.00 T/H ROCK FEED

SOURCE TYPE/SIZE--- PHOSPHATE ROCK PROCESSING NICHOLS, FL 33863 POLK COUNTY

COMPANY NAME/SITE LOCATION MOBIL CHEMICAL CO. P.O. BOX 511

DETERMINATION IS BACT FOR A MODIFIED SOURCE. PERMIT NO. AC53-2005 DETERMINATION MADE BY WILLARD HARKS (AGENCY CONTACT PERSON)

FLORIDA DER (AGENCY)

DATE OF PERMIT ISSUANCE-- 03/20/80 ESTIMATED DATE OF START-UP-- 1982 (904)-488-1344 (PHONE)

PROCESS SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

ROCK DRYER 475.00 T/H MAX PH 52.0000 LB/MT 24.9000 LB/H VENTURI SCRUBBER (CAUSTIC) S02 19.4000 LB/H BACT 99.00

NOTES ----- CONTINUOUS MONITORING OF PRESS. DROP ACROSS SCRUBBER AND PRESSURE AT SCR RUBBER LIQUID INLET AND PH AT LIQUOR EXIT, IN LIEU OF S02 AND TSP MONITORS. .

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER FL-0009

SOURCE TYPE CODE 9.16

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 50.00 T/H

COMPANY NAME/SITE LOCATION COAL INDUSTRY SERVICES CO. POUNDING MILL, VA TAZEWELL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 79VALL
 DETERMINATION MADE BY EPA REGION III
 (AGENCY)
 VERNON BUTLER
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 12/06/79
 ESTIMATED DATE OF START-UP-- 1979
 (215)-597-2711
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ROTARY AGGREGATE DRYER	50.00 T/H	PM	2.6000 LB/H BAGHOUSE	BACT 99.98
		FUG*	20.0000 % OPACITY	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 2000.00 T/D

COMPANY NAME/SITE LOCATION CONCRETE MATERIALS INC. BROCKPORT, NY MONROE COUNTY
FALL RD.

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/12/80
PERMIT NO. NONE ESTIMATED DATE OF START-UP-- 1980
DETERMINATION MADE BY EPA REGION II (212)-264-9500
(AGENCY) (PHONE)
PAUL KAHN
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

1, 2, 3 ROCK CRUSHERS	125000.00 T/H	PH	70.0000 T/YR	WATER SPRAY	SIP
				WATER SPRAYS W/WETTING AGENT <td>95.00</td>	95.00
CONVEYERS	VARIABLE	PH	20.0000 % OPACITY <td></td> <td>SIP</td>		SIP
			COVERS ON CONVEYERS <td></td> <td>99.00</td>		99.00
DROP POINTS	VARIABLE	PH	NONE <td></td> <td>SIP</td>		SIP
			SHROUDS <td></td> <td>95.00</td>		95.00

NOTES -----
OPERATING DAYS FOR THIS SOURCE WERE LIMITED TO 160 DAYS PER YEAR. PERMIT WAS ISSUED UNDER POST-ALABAMA REGS AND SOURCE WAS ADV
ISED THAT THEIR PERMIT COULD BE RECINDED IF THEY SO DESIRE. PERMIT WAS RECINDED BY EPA ON 1/26/82.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 875 ID NUMBER NY-0001 SOURCE TYPE CODE 9.17

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 120.00 T/H

COMPANY NAME/SITE LOCATION GAF CORP. CHARHAIN, PA ADAMS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 79-PA-20
 DETERMINATION MADE BY EPA REGION III (AGENCY)
 DAVID ARNOLD (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 02/29/80
 ESTIMATED DATE OF START-UP-- 1980
 (215)-597-7936 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... BASIS
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MILL #1		PM	1.0900 LB/H CYCLONE	BACT 99.80
MILL #2		PM	2.1100 LB/H NET SCRUBBER	BACT 99.80
MILL #3		PM	1.9200 LB/H NET SCRUBBER	BACT 99.80
STORAGE		PM	0.6200 LB/H	BACT
CRUSHING		PM	2.1000 LB/H	BACT
CRUSHER		PM	0.3100 LB/H	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION MARTIN HARIETTA AGGREGATES

CHARLESTOWN, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC(10)1483
DETERMINATION MADE BY INDIANA APCD
(AGENCY)

FRANK PROFIT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/25/81
ESTIMATED DATE OF START-UP--
(317)-233-065
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

HAMMERMILL CRUSHER

PM

0.1800 LB/H
BAGHOUSE

99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER IN-0008

SOURCE TYPE CODE 9.17

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 1.12 MM T/YR

COMPANY NAME/SITE LOCATION MARYLAND MATERIALS, INC. P.O. BOX W
NORTHEAST, MD 21901 CECIL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78MD06
DETERMINATION MADE BY EPA REGION III
(AGENCY) ED VOLLBERG
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/04/79
ESTIMATED DATE OF START-UP-- 1980
(215)-597-8990
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS ... & BASIS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

TERTIARY CRUSHING & SCREENING 360.00 T/H PH 6.4800 LB/H BAGHOUSE BACT 99.70

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 878

ID NUMBER MD-0012

SOURCE TYPE CODE 9.17

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION MID-CONTINENT MATERIALS, INC.

TULSA, OK

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. 179-004
DETERMINATION MADE BY

TULSA CITY-COUNTY HEALTH DEPT
(AGENCY)

BILL GIBBONS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/19/79
ESTIMATED DATE OF START-UP-- 1982
(918)-744-1000
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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PRIMARY CRUSHER	355.00 T/H	PM	1.0000 LB/H H2O SURFACTANT	95.00
SECONDARY CRUSHER	355.00 T/H	PM	1.1000 LB/H H2O SURFACTANT & FILTER	99.50
CONVEYORS	355.00 T/H	PM	13.3000 LB/H H2O SURFACTANT	95.00
STOCKPILES	355.00 T/H	PM	12.2000 LB/H H2O SURFACTANT RESID. (NOTE#1)	85.00
TRUCK LOADING	355.00 T/H	PM	7.8000 LB/H SURFACTANT RESID.-SHIELDS(NOTE#2)	85.00
RECRUSH/SCREEN	90.00 T/H	PM	1.1000 LB/H H2O SURFACTANT & FILLER BAGS	99.50

NOTES -----
OPERATIONS LIMITED TO 1760 H/YR. WATER FOR SURFACTANT SYS TO BE FROM CITY WATER SUPPLY ONLY / OFFSETS OBTAINED FROM ADJACENT QUARRY / LAER IMPOSED BECAUSE OF NON-ATTAINMENT STATUS. 1) ALSO STOCKPILE AREA & VEHICLE ROADS AREAS HARD SURFACED. 2) GUARANTEED. CONTROL EFFICIENCIES AT SECONDARY BRUSHER ARE BASED ON APPLICANT'S STATEMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- C79

ID NUMBER OK-0018

SOURCE TYPE CODE 9.17

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 880

ID NUMBER OK-0018

SOURCE TYPE CODE 9.17

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 400.00 T/H
 COMPANY NAME/SITE LOCATION WALDRON CRUSHED STONE CO. WALDRON, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. PC(73)11478
 DETERMINATION MADE BY INDIANA APCD (AGENCY)
 TED SOMDERS (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 10/21/80
 ESTIMATED DATE OF START-UP-- (317)-633-045 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... BASIS ... PCT EFF

PRIMARY & SECONDARY CRUSHER 400.00 T/H PM 117.0000 T/YR DUST SUPPRESSION SYS. 80.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- TACONITE ORE PROCESSING

COMPANY NAME/SITE LOCATION CONOCO, INC.

, OH

NOBLE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 06-552

DETERMINATION MADE BY EPA REGION V (AGENCY)

BONIFACE THAYIL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/23/81
ESTIMATED DATE OF START-UP--
(312)-886-6054
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

GASIFIER

502	1.6000 LB/HBTU	SEE NOTES
PM	0.0600 LB/HBTU	BAGHOUSE
NOX	0.6000 LB/HBTU	

99.90

NOTES -----
< .5% S IN FUEL OIL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER OH-0004

SOURCE TYPE CODE 9.18

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- TACONITE ORE PROCESSING

COMPANY NAME/SITE LOCATION TENNESSEE EASTMAN CO.

KINGSPORT, TN

SULLIVAN COUNTY

DETERMINATION IS B/L
PERMIT NO.

DATE OF PERMIT ISSUANCE-- 12/12/80
ESTIMATED DATE OF START-UP--
(615)-741-3631
(PHONE)

DETERMINATION MADE BY
TENNESSEE APCD
(AGENCY)

ANN NIELSON
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

SULFUR RECOVERY

160429.00 LB/H

CO	0.6300 LB/H	FLASH & DISTIL. COLUMNS	BACT
VOC	0.4500 LB/H	INCINERATION	90.00
			LAER
			99.00

GASIFIER

340904.00 LB/H

CO	0.5600 LB/H	WASTE WATER CLARIFIER	BACT
H2S	0.0085 LB/H	WASTE WATER CLARIFIER	99.00
			BACT

NOTES -----

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TN-0008

SOURCE TYPE CODE 9.18

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- TACONITE ORE PROCESSING

COMPANY NAME/SITE LOCATION TENNESSEE EASTMAN CO.

KINGSPORT, TN

SULLIVAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. TENNESSEE APCD

DETERMINATION MADE BY (AGENCY)

ANN NIELSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/24/80
ESTIMATED DATE OF START-UP--
(615)-741-3651
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

BOILER, 2

780.00 MMBTU/H EA

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

PM SO2 NOX VOC CO

0.0360 LB/MMBTU
ESP
1.2000 LB/MMBTU
0.71% S FUEL
0.6000 LB/MMBTU
0.0260 LB/MMBTU
EMISSION OFFSET
0.0650 LB/MMBTU

LAER
99.60
BACT
BACT
LAER
BACT

NOTES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TN-0014

SOURCE TYPE CODE 9.18

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- MINING OPERATIONS 6.00 MM/T/YR

COMPANY NAME/SITE LOCATION SHELL OIL CO.-BUCKSKIN MINE
 , WY CAMPBELL COUNTY

DETERMINATION IS BACT PERMIT NO. DATE OF PERMIT ISSUANCE-- 03/04/80
 DETERMINATION MADE BY EPA REGION VIII ESTIMATED DATE OF START-UP--
 (AGENCY) (303)-837-3763
 JOHN DALE (PHONE)
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS ... & BASIS
 CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

SURFACE MINE 6.00 MM/T/YR PH HGM'T PRACTICES BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 30.00 T/H

COMPANY NAME/SITE LOCATION AM MATERIALS CONSTRUCTION EAU CLAIRE, WI

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 04/02/80
 PERMIT NO. ATT-04-80-18-007 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY WISCONSIN DNR DONALD WHITE (715)-836-4268
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

SAND DRYER PM 6.4000 LB/H MAX BAGHOUSE 99.50

NOTES -----

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 130.00 T/H
 COMPANY NAME/SITE LOCATION ANSELCO COAL, FULTON #1INE MILCROOK, IN FOUNTAIN COUNTY
 DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 08/28/80
 PERMIT NO. PC(23)1470 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY INDIANA APCD (317)-633-0663
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL MINING	130.00 T/YR	PM		
TRUCK DUMP	270000.00 T/YR	PM	6.7600 T/YR WET SUPPRESSION	90.00
SCREENS AND TRANSFER POINTS		PM	9.4600 T/YR WET SUPPRESSION	90.00
ROTARY BREAKER		PM	2.7000 T/YR WET SUPPRESSION	90.00
STOCK PILES		PM	4.0600 T/YR WET SUPPRESSION	90.00
LOADING		PM	6.6700 T/YR WET SUPPRESSION	90.00

NOTES -----
 2000 HR/YR OPERATION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 75.00 T/H
 COMPANY NAME/SITE LOCATION BADGER MINING CORP. FAIRWATER, WI
 DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/27/80
 PERMIT NO. ATT-04-08-24-023 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY WISCONSIN DNR (608)-266-9418
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT THROUGHPUT EMISSION LIMITS ... & BASIS
 TO THIS PERMIT CAPACITY CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

SAND DRYER PM 0.0840 LB/HLB GAS 98.00
 WET SCRUBBER
 SAND STOCKPILES FUG* WET SUPPRESSION

NOTES -----
 WET SCRUBBER TO BE STACK TESTED, #2 FUEL OIL TO BE LESS THAN .3% S BY WEIGHT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION GENERAL CASTING CORP.

WAUKESHA, WI

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. NAA-03-80-68-041

DETERMINATION MADE BY EPA REGION V

(AGENCY)

BONIFACE THAYIL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/06/80

ESTIMATED DATE OF START-UP--

(312)-896-6054

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

SAND HANDLING SYSTEM

PM

0.0800 LB/HLB GAS
BAGHOUSES

LAER
99.20

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WI-0011

SOURCE TYPE CODE 9.21

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION LONE STAR POLYMER CON' RETE CO. NORFOLK, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 0230
 DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
 PAUL PITTS (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 01/21/82
 ESTIMATED DATE OF START-UP--
 (804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
4.20 T/H	VOC	11.7000 LB/H 9.9000 T/YR	
	PH	BAGHOUSE	99.00

NOTES ---
 VOC LIMIT IS 11.7 LB/H , 9.9 T/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 250.00 T/H
 COMPANY NAME/SITE LOCATION MULLITE CO. ANDERSONVILLE, GA SUMTER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. GA 064
 DETERMINATION MADE BY GEORGIA EPD (AGENCY)
 BILL MITCHELL (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 10/07/80
 ESTIMATED DATE OF START-UP-- (404)-656-6900 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

ROTARY KILNS 250.00 T/YR PH 9.4200 LB/H LOW SULFUR COAL BACT

NOTES -----

(M) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---- OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION PATRICK COAL CORP. CHESAPEAKE, VA

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/08/83
 PERMIT NO. 61010 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY: VIRGINIA APCB (804)-786-4867
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAIL CAR DUMPER	2100.00 T/H	VE	5.0000 % OPACITY COVERED TRANSFER & WET SUPPRESSION	90.00
CONVEYORS	2100.00 T/H	VE	5.0000 % OPACITY COVERED TRANSFER & WET SUPPRESSION	90.00
SHIP LOADING	6100.00 T/H	VE	20.0000 % OPACITY COVERED TRANSFER & WET SUPPRESSION	90.00
STACKER	2100.00 T/H	VE	10.0000 % OPACITY COVERED TRANSFER & WET SUPPRESSION	90.00
RECLAIMER	4000.00 T/H	VE	10.0000 % OPACITY COVERED TRANSFER & WET SUPPRESSION	90.00
TRANSFER POINTS	2100.00 T/H	VE	5.0000 % OPACITY COVERED TRANSFER & WET SUPPRESSION	90.00

NOTES -----
 THIS SOURCE IS A COAL TERMINAL THAT UNLOADS RAIL CARS TO SHIPS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

200750.00 T/YR

OTHER MINERAL PRODUCTS INDUSTRY

SOURCE TYPE/SIZE---

SHELBY, NC

PPG INDUSTRIES

COMPANY NAME/SITE LOCATION

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. NC-056

DETERMINATION MADE BY

NORTH CAROLINA DEM

(AGENCY)

MIKE SEWELL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/03/80

ESTIMATED DATE OF START-UP--

(919)-733-6126

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

RAW MATERIAL STORAGE

200750.00 T/YR

PM

1.7000 LB/H

BAGHOUSE + SILO

SO2

6.2000 LB/H

LOW SULFUR

BACT

99.00

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER NC-0015

SOURCE TYPE CODE 9.21

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION SH ELECT. POWER
2700 ONE MAIN PL.

DALLAS, TX 75250

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-TX-130
DETERMINATION MADE BY

DATE OF PERMIT ISSUANCE-- 02/23/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

EPA REGION VI
(AGENCY)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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LIGNITE TRUCK UNLOAD HOPPER	29433.00 T/D	PM	7.4000 LB/H WET SUPPRESSION	50.00
LIGNITE DISCHARGE CHUTE	29433.00 T/D	PM	0.0800 LB/H WET SUPPRES.& TELESCOPIC CHUTE	75.00
LIGNITE RECLAIMING	33600.00 T/D	PM	0.1600 LB/H WET SUPPRES.& PART. ENCLOSURE	50.00
LIGNITE STORAGE PILES	57.40 LB/D	PM	2.3900 LB/H COMPACTION	0.00
LIMESTONE CAR HOPPER	1892.00 T/D	PM	0.0800 LB/H BAGHOUSE	90.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION ALABAMA KRAFT P.O. BOX 940

X CITY (LOCATED IN COTTONTON*, AL 36867 RUSSELL COUNTY

DETERMINATION IS BAC1 FOR A MODIFIED SOURCE.

PERMIT NO. PSD-AL-067

DETERMINATION MADE BY ALABAMA APCD (AGENCY)

SUE ROBERTSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/29/80

ESTIMATED DATE OF START-UP-- 1981

(205)-834-6570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

BOILER, WOODWASTE 436.00 MMBTU/H

PH 0.1000 LB/MMBTU MULTICYCLONE & VENTURI SCRUBBER NSPS 98.00

SO2 0.8000 LB/MMBTU FUEL BLENDING NSPS

NOX 0.3000 LB/MMBTU COMBUSTION CONTROL NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 895

ID NUMBER AL-0007

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 1000.00 ADTP/D

COMPANY NAME/SITE LOCATION ALABAMA RIVER PULP CO., INC CLAIRBORNE, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 1-06-0010-X001 THRU*
 DETERMINATION MADE BY ALABAMA DEM (AGENCY)
 SUE ROBERTSON (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 11/06/75
 ESTIMATED DATE OF START-UP--
 (205)-834-6570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS ... & BASIS
 CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

RECOVERY BOILER 1086.00 ADTP/D
 PM 0.0440 GR/DSCF AT 8% O2
 ESP
 TRS 5.0000 PPM AT 8% O2
 SO2 LOW ODOR BOILER
 NOX
 CO

99.60

SHELT TANK 1086.00 ADTP/D
 PM 0.2000 LB/T BLS
 WET SCRUBBER

99.00

LIME KILN 1086.00 ADTP/D
 PM 0.1300 GR/DSCF AT 10% O2
 VENTURI SCRUBBER
 TRS 5.0000 PPM AT 10% O2

99.50

DIGESTERS
 TRS 0.5000 SEC AT LEAST 1200 F
 INCINERATION-LIME KILN

(CONTINUED) ALABAMA RIVER PULP CO., INC

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EVAPORATORS		TRS	0.5000 SEC AT LEAST 1200 F INCINERATION-LIME KILN	
BROWN STOCK WASHERS		TRS	0.5000 SEC AT LEAST 1200 F INCINERATION-RECOV. BOILER	
POWER BOILER	438.00 MMBTU/H	PM	0.2300 GR/DSCF AT 50% EX. AIR ESP & MULTICLONE	98.50
		SO2	2033.0000 T/YR	
		NOX	0.7000 LB/MMBTU	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

900.00 T/D ADP

KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION BOWATER CAROLINA CO.

CATAHBA, SC

DATE OF PERMIT ISSUANCE-- 05/03/82
ESTIMATED DATE OF START-UP-- 1983
(803)-758-5406
(PHONE)

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) P/C-46-210-R-1
DETERMINATION MADE BY SOUTH CAROLINA DHEC
(AGENCY)

DAVID FLEHING
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

RECOVERY FURNACE 900.00 T/D ADP PM 0.0440 GR/DSCF ELECTROSTATIC PRECIPITATOR 99.00
S02 300.0000 PPM
TRS 5.0000 PPM
BL. LIQUOR NON-CONTACT EVAPOR.

SHELT DISSOLVING TANK 30.00 T/H OF SHELT PM 0.2000 LB/T BLS
WET SPRAY SCRUB. W/CYC. FLOW
TRS 0.0168 LB/T BLS
WET SPRAY SCRUB. W/CYC. FLOW

NOTES -----
THIS DETERMINATION ALSO APPLIES TO PERMIT NUMBER P/C-46-215

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER SC-0013

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION CHAMPION INTERNAT. CORP.

QUINNESEC, MI

DICKINSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 33-80

DETERMINATION MADE BY MICHIGAN DNR

(AGENCY)

RANDAL TELEZ

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/17/81

ESTIMATED DATE OF START-UP--

(517)-322-1333

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

COAL-FIRED BOILER

812.50 MMBTU/H

PM

0.0600 LB/MMBTU

CYCLONE & ESP

SO2

1.2000 LB/MMBTU

LESS THAN 1% SULFUR COAL

NOX

0.7000 LB/MMBTU

REC. BOILER, BLACK LIQUOR FUEL

360000.00 LB/H

PM

0.0440 GR/DSCF

ESP

TRS

5.0000 PPM BY VOL

LINE KILN

280.00 T/D CAO

PM

0.0670 GR/DSCF

SCRUBBER

TRS

8.0000 PPM BY VOL

SCRUBBER

SO2

120.0000 LB/H

SHELT DESOLVING TANK

2.86 MMLB/D BLS

PM

0.2000 LB/T BLS

SCRUBBER

TRS

0.0108 LB/T

SCRUBBER

NSPS
99.70

NSPS

NSPS

NSPS

99.80

NSPS

99.80

NSPS

NSPS

NSPS

NSPS

99.00

NSPS

99.00

(CONTINUED) CHAMPION INTERNAT. CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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LIME, COAL, & ASH HANDLING & ST*		PH	0.0300 GR/DSCF WET SUPPRESSION	NSPS
----------------------------------	--	----	-----------------------------------	------

NOTES -----
TSP AND TRS LIMIT CORRECTED TO 10% O₂ (LIME KILN) & TRS LIMIT BASED ON 12 HOUR AVG. TRS LIMITS -- LB/TON BLACK LIQUOR SOLIDS B
ASED ON DRY WT BASIS (SHELT D ESOLVING TANK)

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 900

ID NUMBER HI-0024

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION CHESAPEAKE CORP.

WEST POINT, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 40126
DETERMINATION MADE BY VIRGINIA APCB
(AGENCY)

DATE OF PERMIT ISSUANCE-- 06/10/82
ESTIMATED DATE OF START-UP--
(804)-786-4867
(PHONE)

PAUL PITTS
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

LIME KILN

140.00 LB/D

PH

88.6000 T/YR

0.1300 GR/DSCF AT 10% O2

VENTURI SCRUBBER

TRS

5.1100 T/YR

8.0000 PPM AT 10% O2

SO2

RATE BASED ON STACK TEST RESULTS

CO

RATE BASED ON STACK TEST RESULTS

VOC

RATE BASED ON STACK TEST RESULTS

NOX

RATE BASED ON STACK TEST RESULTS

99.10

NOTES -----

PM LIMIT IS 88.6 T/YR , 0.1300 GR/DSCF. TRS LIMIT IS 5.11 T/YR , 8.0 PPM AT 10% O2

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 901

ID NUMBER VA-0001A

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION CONTAINER CORP. OF AM
P.O. BOX 709

BRENTON, AL

ESCAMBIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-AL-061
DETERMINATION MADE BY

ALABAMA APCD
(AGENCY)

SUE ROBERTSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/21/79
ESTIMATED DATE OF START-UP-- 1982
(205)-834-6570
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER, COAL/WOOD FIRED

511.50 MMBTU/H

PM 51.1500 LB/H 100% COAL
60.8000 LB/H 100% WOOD

NSPS

S02

613.2500 LB/H
60.8000 LB/H 100% WOOD
0.75% S FUEL

99.10
NSPS

NOX

350.0000 LB/H 100% COAL
426.0000 LB/H 100% WOOD

NSPS

COMBUSTION CONTROL

NOTES

WOOD CAPACITY 608 MMBTU/H CONTROL EFFICIENCY 98.28%

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER AL-0014

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS -----

COMPANY NAME/SITE LOCATION CONTAINER CORP. OF AM NORTH EIGHTH STREET
FERNANDINA BEACH, FL 32034
NASSAU COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. FL-062
DETERMINATION MADE BY FLORIDA DER (AGENCY)
BOB KING (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/13/81
ESTIMATED DATE OF START-UP-- 1983
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER, COAL/WOOD WASTE	1021.00 MMBTU/H	PM	472.0000 T/YR ESP	NSPS 99.00
		SO2	5363.0000 T/YR LOW SULFUR COAL (.75%)	NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 903

ID NUMBER FL-0026

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

1095.00 MBTU/H

KRAFT PULP MILLS

RIEGELWOOD, NC

FEDERAL PAPERBOARD CO.

DATE OF PERMIT ISSUANCE-- 08/31/81
ESTIMATED DATE OF START-UP--
(919)-733-6126
(PHONE)

MIKE SEMELL
(AGENCY CONTACT PERSON)

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-081
NORTH CAROLINA DEN
(AGENCY)

... & BASIS
... PCT EFF

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

POLLUTANT
EMITTED

THROUGHPUT
CAPACITY

PROCESSES SUBJECT
TO THIS PERMIT

1095.00 MBTU/H

BOILER

0.0440 GR/CF
WET BOTTOM ESP

PH

BACT

979.0000 T/H
COMBUSTION CONTROLS

SO2

BACT

1000.00 T/D ADP

SHELT DISSOLVING TANKS

0.2000 LB/H
WET SCRUBBERS

PH

BACT

0.0660 LB/T BLS
DUCON SCRUBBERS

SO2

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER NC-0019

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

2300.00 T/D ADP

COMPANY NAME/SITE LOCATION FEDERAL PAPERBOARD CO.

RIEGELWOOD, NC

DETERMINATION IS BACK FOR A NEW SOURCE.

PERMIT NO. 4924
DETERMINATION MADE BY

NORTH CAROLINA DEM
(AGENCY)

MIKE SEMELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/07/82
ESTIMATED DATE OF START-UP-- 1984
(919)-733-6126
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

POWER BOILER NO.6

771.00 MMBTU/H

PM
SO2
NOX

0.1000 LB/MMBTU
ESP
1.2000 LB/MMBTU COAL
0.8000 LB/MMBTU OIL
LOW SULFUR COAL/OIL
0.7000 LB/MMBTU COAL
0.3000 LB/MMBTU OIL
CONTROL OF COMBUSTION COND.

NSPS
99.15
NSPS

NSPS

LINE KILN NO.4

971.00 T/D ADP

PM
SO2
NOX
CO

0.1300 GR/DSCF 10% O2
WET VENTURI SCRUBBER
8.1000 LB/H
MATERIAL BALANCE
40.5000 LB/H
405.0000 LB/H

NSPS
AP42
NSPS
97.60
AP42

AP42

BROWN STOCK WASHERS NO.5

860.00 T/D ADP

SO2

16.2000 LB/H
INCIN. TRS IN POWER BOILER #6

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 905

ID NUMBER NC-0019A

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP.
P.O. BOX 105041

ATLANTA, LA 30348

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-0041
DETERMINATION MADE BY EPA PERMIT VI
(AGENCY)

DATE OF PERMIT ISSUANCE-- 03/27/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

TOM DIGGS
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMISSION

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

WOOD-FIRED BOILER

272.00 TONS/H

PM

24.7000 LB/H

0.0090 LB/HHBTU

M-CLONE MECH COLL & WET SCRUB

NOX

26.7000 LB/H

0.1000 LB/HHBTU

F.G. 02 MON.CNTRL OF A/F RATIO

CO

25.0000 LB/H

0.0900 LB/HHBTU

F.G. 02 MON.CNTRL OF A/F RATIO

BACT

95.00
BACT

BACT

NOTES

LIMITED TO A WOOD/BARK FIRING RATE OF 30.2 TONS/H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP.
P.O. BOX 105041

ATLANTA, AR 30348

CROSSETT COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-AR 317
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/19/80
ESTIMATED DATE OF START-UP-- 1982
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER, WOOD FIRED

211.20 MMBTU/H

NOX

26.0000 LB/H
0.1200 LB/MMBTU

BACT

CO

24.0000 LB/H
0.1100 LB/MMBTU
AIR/FUEL RATIO CONTROLS

NSPS

NOTES

BACT ANALYSIS NOT REQUIRED FOR NOX BECAUSE THERE WAS NO NET INCREASE IN EMISSIONS. HOWEVER EMISSION LIMITS WERE PRESENTED FOR THIS POLLUTANT. A WOOD/BARK MIXTURE OF 28.7 TONS PER HOUR WILL BE FIRED IN EACH BOILER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 907

ID NUMBER AR-0005

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

750.00 T/D

COMPANY NAME/SITE LOCATION HAMMERHILL PAPER

RIVERDALE, AL 36701

DALLAS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-AL-062
DETERMINATION MADE BY ALABAMA APCD
(AGENCY)

SUE ROBERTSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/26/80
ESTIMATED DATE OF START-UP-- 1982
(205)-834-6570
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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RECOVERY BOILER #2 737.00 MBTU/H

PH	66.2000 LB/H	ESP	NSPS	99.60
S02	1901.0000 T/YR	BOILER DESIGN & OPERATION	BACT	BACT
NOX	114.2000 LB/H	BOILER DESIGN AND OPERATION	BACT	BACT
CO	456.6000 LB/H	BOILER DESIGN & OPERATION	NSPS	NSPS
TRS	5.0000 PPM AT 8% O2	BOILER DESIGN & OPERATION	NSPS	NSPS

LIME KILN

TRS	8.0000 PPM AT 10% O2	EQUIPMENT OPERATION	NSPS	NSPS
PH	0.0670 GR/DSCF AT 10% O2, GASOUS FUEL	SCRUBBER	NSPS	NSPS
S02	111.0000 T/YR	EQUIPMENT OPERATION	NSPS	NSPS

SHELT DISSOLVING TANK 56.25 T/H BLS

PH	0.2000 LB/T BLS	SCRUBBER	NSPS	NSPS
S02	11.4000 LB/H	SCRUBBER	NSPS	NSPS

REC. BOILER OPERATION
0.0168 LB/T BLS
RECOVERY BOILER OPERATION

NSPS

TRS

(CONTINUED) HAMMILL PAPER

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BATCH DIGESTERS #6, #7 & #8		TRS	0.5000 SES AT 1200 DEG. F INCINERATION	
BROWN STACK WASHER #2		TRS	11.0000 LB/H	
RECOVERY BOILER #1	382.00 MBTU/H	TRS PM	20.0000 PPM 4.0000 LB/ADTP ESP	
		S02	272.0000 LB/H	

NOTES -----
RECOVERY BOILER #1 -- EXISTING BOILER WAS CONVERTED FROM CONVENTIONAL TO "LOW OODR" DESIGN.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

800.00 ADTP/D

COMPANY NAME/SITE LOCATION INDEPENDENT KRAFT CORP.

TUSCALOOSA, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 413-0025-X001 THRU #
DETERMINATION MADE BY ALABAMA DEM
(AGENCY)

SUE ROBERTSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/23/83
ESTIMATED DATE OF START-UP--
(205)-834-6570
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

RECOVERY BOILER

763.00 ADTP/D

0.0440 GR/DSCF AT 8% O2

99.10

ESP

SO2

NOX

CO

TRS

391.0000 LB/H

31.8000 LB/H

63.6000 LB/H

0.5000 PPM AT 8% O2

LOW OODR BOILER

LINE KILN

763.00 ADTP/D

0.0670 GR/DSCF AT 10% O2, GAS
0.1300 GR/DSCF AT 10% O2, FUEL OIL
VENTURI WET SCRUBBER

98.70

SO2

NOX

CO

TRS

6.4000 LB/H

31.8000 LB/H

318.0000 LB/H

8.0000 PPM AT 10% O2

SHELT TANK

763.00 ADTP/D

0.2000 LB/T BLS
CYCLONIC SCRUBBER
3.1800 LB/H
0.0168 LB/T BLS

95.00

(CONTINUED) INDEPENDENT KRAFT CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONTINUOUS DIGESTER	763.00 ADTP/D	TRS	0.5000 SEC AT LEAST 1200 F INCINERATION	
MULTIPLE EFFECTS EVAPORATORS	763.00 ADPT/D	TRS	0.5000 SEC AT LEAST 1200 F INCINERATION	
BROWN STOCK WASHER	763.00 ADTP/D	TRS	0.5000 SEC AT LEAST 1200 F INCINERATION	
CONDENSATE STRIPPER	763.00 ADTP/D	TRS	0.5000 SEC AT LEAST 1200 F INCINERATION	
GENERATOR, FOSSIL FUEL STEAM	495.00 MMBTU/H	PM SO2 NOX CO	0.1000 LB/MMBTU 1.2000 LB/MMBTU 0.7000 LB/MMBTU 117.0000 LB/H	98.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION INTERNATIONAL PAPER CO.

NOBLE, LA 71462

SABINE PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-295
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

JOHN BENHAM
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/18/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

POLLUTANT
EMITTED

THROUGHPUT
CAPACITY

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER

760.00 MMBTU/H

NOX

0.6900 LB/MMBTU COAL
0.2000 LB/MMBTU GAS

BACT

NOX

0.3000 LB/MMBTU OIL
LOW EXCESS AIR

BACT

CO

0.1500 LB/MMBTU
EFFICIENT OPERATION

BACT

NOTES -----

CO EMISSION LIMITS WILL BE ADJUSTED BASED ON COMPLIANCE TESTING BY CO.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER LA-0017

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

346.00 MBTU/H

KRAFT PULP MILLS

SOURCE TYPE/SIZE---

RICEBORO, GA

COMPANY NAME/SITE LOCATION INTERSTATE PAPER CORP.

DATE OF PERMIT ISSUANCE-- 04/16/82
ESTIMATED DATE OF START-UP-- 1984
(404)-656-4867
(PHONE)

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 2631-089-8091

DAVID WEAVER
(AGENCY CONTACT PERSON)

GEORGIA EPD
(AGENCY)

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

POLLUTANT
EMITTED

THROUGHPUT
CAPACITY

PROCESSES SUBJECT
TO THIS PERMIT

BOILER

346.00 MBTU/H

PH

0.1000 LB/MBTU

VENTURI SCRUBBER

NSPS
92.00

SO2

0.3000 LB/MBTU

ALKALINE PACKED SCRUBBER

50.00
NSPS

NOX

0.3000 LB/MBTU

FURNACE, BURNER DESIGN

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER GA-0015

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 1000.00 T/D

COMPANY NAME/SITE LOCATION KIRBY FOREST INDUSTRIES

BON WIER, TX 75928

NEWTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. TX-231

DETERMINATION MADE BY EPA REGION VI

(AGENCY)

GEORGE KENNEDY

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/14/80

ESTIMATED DATE OF START-UP--

(214)-767-2742

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

POWER BOILER

530.00 MMBTU/H

PM

53.0000 LB/H

0.0100 LB/MMBTU

MECHANICAL COLLECTOR

NSPS

SO2

636.0000 LB/H

1.2000 LB/MMBTU

LOW S COAL, 1.2 LB/MMBTU

NSPS

NOX

371.0000 LB/H

0.7000 LB/MMBTU

LOW NOX BURN./CONTIN. 02 MON

NSPS

CO

3.1200 LB/H

0.0600 LB/MMBTU

CONTIN. 02 MONITORING

BACT

RECOVERY BOILER

935.00 MMBTU/H

PM

83.4000 LB/H

0.0900 LB/MMBTU

WET BOTTOM ESP

NSPS

SO2

434.0000 LB/H

0.4600 LB/MMBTU

67.8000 LB/H

98.90 BACT

NOX

0.0730 LB/MMBTU

LOW NOX BURN./CONTIN. 02 MON

BACT

CO

82.6000 LB/H

BACT

0.0900 LB/H²BTU
CONTIN. O2 MONITORING
6.1000 LB/H
0.0070 LB/H²BTU
CAUSTIC SCRUB. SYS

NSPS
98.00

TR3

(CONTINUED) KYRBY FOREST INDUSTRIES

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SHELT TANK	*46806.00 LB/D	PM	14.1000 LB/H CAUSTIC SCRUB. SYS	NSPS 98.00
		TRS	1.2000 LB/H	
LIME KILN	275.00 T/D CAO	PM	51.7000 LB/H	NSPS
		SO2	86.7000 LB/H	98.00 BACT
		NOX	L.S.F.O.(.7% MAX)	BACT
		CO	41.7000 LB/H LEA FIRING	BACT
		TRS	3.5000 LB/H LEA FIRING	NSPS
SLAKER SCRUB	275.00 T/D CAO	PM	2.7000 LB/H SCRUBBER	BACT 99.50
LIMESTONE RECEIVING	220.00 T/2HKS	PM	0.2000 LB/H CYCL. SEPARATOR & FAB. FILTER	BACT 99.00
SALT CAKE RECEIVING	490.00 T/2HKS	PM	0.2000 LB/H CYCL. SEPARATOR & FAB. FILTER	BACT
RECHIPPER CYCLONE	5000.00 CF/H	PM	7.5000 LB/H CYCLONE	BACT 95.00

NOTES -----

CONTROL OF FUGITIVE PART. EMISSIONS: 1) ALL CONVEYOR & TRANSFER POINTS IN MILL TOTALLY ENCLOSED, 2) COAL PILE - APPLICATION OF CHEMICAL & H2O STABILIZER BY MANUFACTURER'S RECOMMENDATION TO MINIMIZE PART. EMISSIONS, 3) COAL CAR UNLOADING - DRIVE THROUGH ENCLOSURE, 4) COAL CONVEYING - ENCLOSED SYSTEM, 5) COAL TRANSFER POINTS DESIGNED W/HOODS, COVERS OR CANOPIES AND WET SUPPRESSION SYSTEM (H2O AND CHEMICAL APPLIED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION TO MINIMIZE PART. EMISSIONS).

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 650.00 T/D

COMPANY NAME/SITE LOCATION LEAP RIVER FOREST NEW AUGUSTA, MS PERRY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. MS 035
 DETERMINATION MADE BY MISSISSIPPI DNR
 (AGENCY)
 DWIGHT WILEY
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 03/14/80
 ESTIMATED DATE OF START-UP--
 (601)-354-2550
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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RECOVERY BOILER

PH	0.0440 GR/DSCF	0.0440 GR/DSCF	DRY COLLECTION & SCRUBBER	BACT 99.00
SO2	456.0000 LB/H 300.0000 PPM	456.0000 LB/H 300.0000 PPM	DRY COLLECTION & SCRUBBER	BACT
TRS	5.0000 PPM AT 8% FUEL BOILER OPERATION	5.0000 PPM AT 8% FUEL BOILER OPERATION	CONTROL S CONTENT OF FUEL	BACT

SHELT DISSOLVING TANK

PH	0.3000 LB/T ADP	0.3000 LB/T ADP	DRY COLLECTOR & SCRUBBER	BACT 99.00
TRS	0.1680 LB/T BLS EQUIPMENT OPERATION	0.1680 LB/T BLS EQUIPMENT OPERATION	DRY COLLECTOR & SCRUBBER	NSPS

LIME KILN

PH	0.1300 GR/DSCF	0.1300 GR/DSCF	DRY COLLECTOR & SCRUBBER	NSPS
TRS	8.0000 PPM EQUIPMENT OPERATION	8.0000 PPM EQUIPMENT OPERATION	DRY COLLECTOR & SCRUBBER	NSPS

BOILER, BARK & COAL FIRED 350000.00 LB/H

PH	0.1000 LB/MTBTU DRY COLLECTOR & SCRUB.(ALKA.)	0.1000 LB/MTBTU DRY COLLECTOR & SCRUB.(ALKA.)	DRY COLLECTOR & SCRUB.(ALKA.)	BACT 99.00
SO2	0.6300 LB/MTBTU CONTROL SULFUR CONTENT OF FUEL	0.6300 LB/MTBTU CONTROL SULFUR CONTENT OF FUEL	DRY COLLECTOR & SCRUB.(ALKA.)	BACT 99.00

BACT

0.7000 LB/MTBTU
BOILER OPERATION

NOX

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 919

ID NUMBER MS-0008

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

2580.00 T/D ADP

COMPANY NAME/SITE LOCATION LONGVIEW FIBRE

LONGVIEW, WA

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. DE 80-602
DETERMINATION MADE BY WASHINGTON DOE
(AGENCY)

GEORGE HOUCK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/12/80
ESTIMATED DATE OF START-UP-- 1985
(206)-459-6032
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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KRAFT RECOVERY FURNACE #22 1100.00 T/D ADP

NOX	45.8000 LB/H	SECONDARY AIR	BACT
PM	0.0400 GR/DSCF	ESP	99.30
VE	25.0000 %, 6 MIN PERIOD		BACT
CO	91.7000 LB/H		BACT
VOC	45.8000 LB/H		BACT
TRS	5.0000 PPM	NON-DIRECT CONTACT EVAP.	BACT

SHELT TANK #22

1100.00 T/D ADP

NEW DIGESTER & WASHEPS

0.0168 LB/T LIQUOR FIRED

LIME KILN

112000.00 T/YR

TRS	8.0000 PPM	BACT
PM	0.0350 GR/DSCF GAS 0.0700 GR/DSCF OIL	
TRS	8.0000 PPM 12 H AV	99.80
VE	25.0000 %, 6 MIN PERIOD	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 920

ID NUMBER WA-0002

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION OLINKRAFT

WEST MONROE, LA

QUACHITA PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-037
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/08/80
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER

657.00 M³BTU/H

PM

0.1000 LB/M³BTU

BACT

SO₂

0.7300 LB/M³BTU

BACT

LOW ASH FUEL
LOW SULFUR FUEL (0.7 %)

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 921

ID NUMBER LA-0037

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 882.00 MMBTU/H

COMPANY NAME/SITE LOCATION PORT ST. JOE US HIGHWAY 98 GULF COUNTY

ED PALAGYI
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/18/82
ESTIMATED DATE OF START-UP-- 1983
(904)-488-1344
(PHONE)

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. FL-075
DETERMINATION MADE BY FLORIDA DER (AGENCY)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

BOILER, OIL-FIRED	756.00 MMBTU/H	PH	75.6000 LB/H	MULTICLONE-WET SCRUBBER	NSPS
		SO2	604.8000 LB/H		98.60
		NO2	226.8000 LB/H	WET SCRUBBER-CAUSTIC	NSPS
		CO	25.2000 LB/H	EQUIPMENT OPERATION	95.00
				EQUIPMENT OPERATION	NSPS
BOILER, BARK	882.00 MMBTU/H	PH	88.2100 LB/H	MULTICLONE-WET SCRUBBER	NSPS
		SO2	705.7000 LB/H		98.60
		NO2	264.0000 LB/H	WET SCRUBBER-CAUSTIC	NSPS
		CO	25.2000 LB/H	EQUIPMENT OPERATION	95.00
				EQUIPMENT OPERATION	NSPS

NOTES -----
NSPS IS BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 922

ID NUMBER FL-0022

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

90.00 T/H BLS

COMPANY NAME/SITE LOCATION POTLATCH

LEWISTON, ID

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. DETERMINATION MADE B:

IDAHO AQB
(AGENCY)

CLINT AYER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/25/83
ESTIMATED DATE OF START-UP-- 1986
(208)-334-5360
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... 1 BASIS
... PCT EFF

SHELT TANK

90.00 T/H BLS

PM 11.4000 LB/H SEE NOTE 1
WET SCRUBBER

RECOVERY BOILER

90.00 T/H BLS

PM 58.0000 LB/H SEE NOTE 2
0.0300 GR/DSCF

SO2 450.0000 LB/H SEE NOTE 6
200.0000 PPM

CO 1223.0000 LB/H

NOX 321.0000 LB/H SEE NOTE 3

99.70

NOTES

NOTE 1 - VENDOR GUARANTEE. NOTE 2 - SPECIFIED BY POTLATCH TO MEET OFFSET REQUIREMENTS. 3.VENDOR GUARANTEES MAX. RATE. 4.BEST A
VAILABLE GUARANTEE, STANDARD IS 70 F INSTEAD OF 32 F. 5.BACT APPARENTLY EQUAL TO LAER, DUE TO VENDOR
RELUCTANCE TO GUARANTEE <0.03 GR/DSCF. 6.VENDORS GUARANTEE 250 - 300 PPM. STATE LIMIT IS 200 PPM (NSPS), OPERATING EXPERIENCE
INDICATES LOWER BY FACTOR OF 10.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER ID-0003

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 45.80 T/H ADP

COMPANY NAME/SITE LOCATION SCOTT PAPER BAY BRIDGE ROAD, P.O. BOX 2447 MOBILE, AL 36601 MOBILE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. AL 068
 DETERMINATION MADE BY ALABAMA APCD (AGENCY)
 SUE ROBERTSON (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 01/15/81
 ESTIMATED DATE OF START-UP-- (205)-830-6570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

WOODWASTE/COAL COMBUSTION (50% * 980.00 MBTU/H

RECOVERY BOILER	1100.00 T/D ADP	PH	0.1000 LB/MBTU ESP PLUS MULTICLONE	NSPS
		S02	1014.0000 LB/H FUEL S CONTENT	99.00 NSPS
		NOX	0.7000 LB/MBTU EQUIPT. DESIGN & OPERATION	NSPS
		PH	0.0440 GR/DSCF ESP	NSPS
		TRS	5.0000 PPM EQUIPMENT OPERATION & CONTROL	99.00 NSPS
		S02	344.0000 LB/H 1003.0000 T/YR EQUIPMENT OPERATION & DESIGN	BACT
		NOX	242.0000 LB/H 402.0000 T/YR EQUIPMENT OPERATION	BACT
		CO	770.0000 LB/H EQUIPMENT OPERATION	BACT

(CONTINUED) SCOTT PAPER

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL PREP PLANT	770.00 T/D	PM	20.0000 % OPACITY ENCLOSURE	NSPS
SHELT TANK	45.60 T/H	PM	0.2000 LB/T BLS WET SCRUBBER	NSPS
		TRS	0.0160 LB/T BLS EQUIPMENT DESIGN	88.00 NSPS
		SO2	4.6000 LB/H BOILER OPERATION	BACT
EVAPORATORS		TRS	0.5000 SEC AT 1200 DEG. F INCINERATION	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 925

ID NUMBER AL-0002

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION SIMPSON LEE PAPER CO.

ANDERSON, CA

SHASTA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) NSR-4-4-4 SAC-82-01
DETERMINATION MADE BY EPA REGION IX
(AGENCY)

DATE OF PERMIT ISSUANCE-- 09/15/82
ESTIMATED DATE OF START-UP--
(415)-974-8209
(PHONE)

MATT HABER
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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GAS TURBINE & WASTE HEAT BOILER	33.00 MM	NOX	92.0000 LB/H AIRJAL AV	BACT
		CO	H2O INJECT. & CONTINUOUS EHTS MONITOR 100.0000 LB/H PROPER COMBUSTION	BACT

NOTES -----
CO LIMIT MAY BE ADJUSTED DOWNWARD FOLLOWING PERFORMANCE OF SOURCE TESTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER CA-0032

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

220.00 T/D

KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION SIMPSON LEE PAPER CO.

ANDERSON, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 74-PO-23

DETERMINATION MADE BY

SHASTA COUNTY APCD
(AGENCY)

RICHARD BOOTH

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/14/75
ESTIMATED DATE OF START-UP-- 1976
(916)-246-5674
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

RECOVERY BOILER

6000.00 GAL/H B.L.

PM

0.1500 GR/DSCF
ESP

SO2
TRS
NOX
CO

99.00
NSPS
NSPS

NOTES -----

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

PAGE 6- 927

ID NUMBER CA-0032A

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 220.00 T/D
 COMPANY NAME/SITE LOCATION SIMPSON LEE PAPER CO. ANDERSON, CA

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/07/82
 PERMIT NO. 80-PO-17 ESTIMATED DATE OF START-UP-- 1982
 DETERMINATION MADE BY SHASTA COUNTY APCD (916)-246-5674
 (AGENCY) (PHONE)
 RICHARD BOOTH
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS ... & BASIS
 CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

LIME KILN 10000.00 LB/H CAC03 PH 0.1500 GR/DSCF 95.00
 VENTURI SCRUBBER
 AT 10% CO2
 NO2
 CO

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION ST REGIS PAPER CO.
HMT 2A

CONTONMENT, FL 32833

ESCAMBIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. FL 066
DETERMINATION MADE BY FLORIDA DER
(AGENCY)

BOB KING
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/26/81
ESTIMATED DATE OF START-UP-- 1982
(1904)-489-1344
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BARK-COAL BOILER, UNIT #4	546.00 HMTU/H COAL	S02	1.2000 LB/HMTU ALKALINE SCRUBBER	NSPS 82.00
BARK-COAL BOILER, UNIT #3	266.00 HMTU/H COAL	S02	1.2000 LB/HMTU 327.0000 LB/H ALKALINE SCRUBBER	NSPS 82.00

NOTES -----
CONVERTING FROM OIL TO COAL OIL GAS OR WOODWASTE. COAL PRIMARILY
WHEN FIRING BARK, OIL, AND/OR GAS, UNIT 4 YIELDS 666 HMTU/H.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE-- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION ST REGIS PAPER CO.

CANTONMENT, FL

ESCAMBIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-FL-041
DETERMINATION MADE BY

FLORIDA DER
(AGENCY)

BOB KING
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/26/81
ESTIMATED DATE OF START-UP-- 1982
(904)-488-1344
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BARK FIRED BOILER

666.00 MBTU/H

SO2

0.6400 LB/MBTU
SCRUBBER

NSPS
20.00

PM

0.1000 LB/MBTU
LOW SULFUR FUEL
CYC. VENTURI & WET SCRUBBER

NSPS
99.20

NOTES -----
SO2 LIMIT AT 100% OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 930

ID NUMBER FL-0004

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 814.00 MTBTU/H
 COMPANY NAME/SITE LOCATION ST REGIS PAPER CO. BUCKSPORT, ME
 DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. DATE OF PERMIT ISSUANCE-- 03/10/82
 DETERMINATION MADE BY MAINE DEP ESTIMATED DATE OF START-UP-- 1984
 (AGENCY) (207)-289-2437
 (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL & BIOMASS HANDLING		PM	COVERED DELIVERY, CONVENING, STORAGE	
TEMP CONSTRUCTION ROADS		PM	DUST SUPPRESSION	
NEW ROADS		PM	PAVE & SHEEP	
EXISTING ROADS & PARKING		PM	SHEEP ALL PAVED ROADS	
ADJACENT TOWN OF BUCKSPORT ROADS			COOPERATIVE VENTURE-TOWN & CO.	

NOTES -----
 BACT TECHNOLOGY BASED FOR PM FOR BOILERS, 0.06 LB/MTBTU WOULD HAVE BEEN REQUIRED EXCEPT FOR SLUDGE CONTAINING CLAY THAT PROMPTED THE HIGHER 0.08 VALUE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

814.00 MMBTU/H

COMPANY NAME/SITE LOCATION ST. REGIS PAPER CO.

BUCKSPORT, ME

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. AEL-13-47
DETERMINATION MADE BY MAINE DEP
(AGENCY)

JOHN CHANDLER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/20/82
ESTIMATED DATE OF START-UP--
(207)-289-2437
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER, BIOMASS FUEL

814.00 MMBTU/H

PH

0.0800 LB/MMBTU

B/N

SO2

1.2000 LB/MMBTU

99.50

NOX

0.6% S COAL

NSPS

NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 932

ID NUMBER ME-0001

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 2300.00 ADTP/D

COMPANY NAME/SITE LOCATION UNION CAMP CORP. PRATTVILLE, AL

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 201-0001-X008,0011 *
 DETERMINATION MADE BY ALABAMA DEN
 (AGENCY)
 SUE ROBERTSON
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 11/15/77
 ESTIMATED DATE OF START-UP-- 1980
 (205)-834-6570
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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GENERATOR, FOSSIL FUEL STEAM	534.00 MMBTU/H	PM	0.1000 LB/MMBTU ESP	99.70
		SO2	1.2000 LB/MMBTU	
		NOX	0.7000 LB/MMBTU	
		CO		

NO. 2 RECOVERY BOILER	1340.00 ADTP/D	PM	0.0440 GR/DSCF AT 8% O2	99.81
		TRS	5.0000 PPM AT 8% O2	
		SO2	ESP	
		NOX	LOW ODOR BOILER	
		CO		

NO. 2 SHELT DISSOLVING TANKS	1344.00 ADTP/D	PM	0.2000 LB/T BLS	
		TRS	WET SCRUBBER	
		SO2	0.0168 LB/T BLS	

(CONTINUED) UNION CAMP CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
NO. 2 LINE KILN	1460.00 ADTP/D	PM	0.0670 GR/DSCF AT 10% O ₂ , GAS 0.1300 GR/DSCF AT 10% O ₂ , FUEL OIL VENTURI WET SCRUBBER	
		SO ₂		
		NOX		
		CO		
		TRS	0.0000 PPM AT 10% O ₂	
EVAPORATORS		TRS	0.5000 SEC AT LEAST 1200 F INCINERATION	
DIGESTER		TRS	0.5000 SEC AT LEAST 1200 F INCINERATION	
BROWN SET WASHER		TRS	0.5000 SEC AT LEAST 1200 F INCINERATION	
COAL PREP	390.00 T/H	FUG*	WET SUPPRESSION	NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

2250.00 T/D

KRAFT PULP MILLS

EASTOVER, SC

COMPANY NAME/SITE LOCATION UNION CAMP CORP.

DATE OF PERMIT ISSUANCE-- 02/25/82
ESTIMATED DATE OF START-UP-- 1992
(803)-758-5406
(PHONE)

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) P/C-40-128
DETERMINATION MADE BY SOUTH CAROLINA DHEC
(AGENCY)

DAVID FLEMING
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

BOILERS, COAL/WOODWASTE	495.00 MMBTU/H	PM	0.1000 LB/MMBTU ESP	99.98
		SO2	1.2000 LB/MMBTU LOW SULFUR COAL	
		NOX	0.7000 LB/MMBTU	
		CO	0.1100 LB/MMBTU	
		VE	20.0000 % OPACITY	
BOILERS, COAL/WOODWASTE	561.00 MMBTU/H	PM	0.1000 LB/MMBTU ESP	99.98
		SO2	1.2000 LB/MMBTU LOW SULFUR COAL	
		NOX	0.7000 LB/MMBTU	
		CO	0.1100 LB/MMBTU	
		VE	20.0000 % OPACITY	
BOILERS, COAL/WOODWASTE	660.00 MMBTU/H	PM	0.1000 LB/MMBTU ESP	99.98
		SO2	1.2000 LB/MMBTU LOW SULFUR COAL	
		NOX	0.7000 LB/MMBTU	
		CO	0.1100 LB/MMBTU	
		VE	20.0000 % OPACITY	

(CONTINUED) UNION CAMP CORP.

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

KRAFT RECOVERY BOILER	2.30 MM LB/D BLS	PH	0.0440 GR/DSCF ESP	
			AT 8% O2	
		SO2	230.0000 PPMV DRY T	
		NOX	210.0000 PPMV DRY T	
		CO	2.0000 LB/T ADP	
KRAFT RECOVERY BOILER	2.60 MM LB/D BLS	TRS	5.0000 PPMV DRY T	
			AT 8% O2	
		PH	0.0440 GR/DSCF ESP	
			AT 8% O2	
		SO2	230.0000 PPMV DRY T	
KRAFT RECOVERY BOILER	2.90 MM LB/D BLS	NOX	210.0000 PPMV DRY T	
		CO	2.0000 LB/T ADP	
		TRS	5.0000 PPMV DRY T	
			AT 8% O2	
		PH	0.0440 GR/DSCF ESP	
LIME KILN	205.00 T/D (SEE NOM)		AT 8% O2	
		SO2	230.0000 PPMV DRY T	
		NOX	210.0000 PPMV DRY T	
		CO	2.0000 LB/T ADP	
		TRS	5.0000 PPMV DRY T	
LIME KILN	205.00 T/D (SEE NOM)		AT 8% O2	
		PH	0.1300 GR/DSCF NET SCRUBBER	
			AT 10% O2	
		SO2	0.2000 LB/T ADP	
		NOX	0.8500 LB/H ₂ STU	
LIME KILN	205.00 T/D (SEE NOM)	CO	8.0000 PPMV DRY T	
		TRS	10.0000 LB/T ADP	

(CONTINUED) UNION CAMP CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME KILN	230.00 T/D (SEE NO#	PH	0.1300 GR/DSCF NET SCRUBBER AT 10% O ₂	
		SO ₂	0.2000 LB/T ADP	
		NOX	0.8500 LB/HMBTU	
		CO	8.0000 PPHV DRY T	
			AT 10% O ₂	
		TRS	10.0000 LB/T ADP	
LIME KILN	255.00 T/D (SEE NO#	PH	0.1300 GR/DSCF NET SCRUBBER AT 10% O ₂	
		SO ₂	0.2000 LB/T ADP	
		NOX	0.8500 LB/HMBTU	
		CO	8.0000 PPHV DRY T	
			AT 10% O ₂	
		TRS	10.0000 LB/T ADP	

NOTES -----
THIS DETERMINATION ALSO APPLIES TO PERMIT NUMBERS P/C-40-131, P/C-40-132, P/C-40-134, AND P/C-40-136. LIME KILN UNITS- T/D OF R
BURNED LIME AS 85% COAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 540.00 T/H
 COMPANY NAME/SITE LOCATION WESTERN KRAFT P.O. BOX 130 HANESVILLE, KY 42348 HANCOCK COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. KY-162 DATE OF PERMIT ISSUANCE-- 12/03/80
 DETERMINATION MADE BY KENTUCKY DAPC ESTIMATED DATE OF START-UP--
 (AGENCY) (502)-564-3382
 BILL DILLS (PHONE)
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF ... & BASIS

FURNACE 540.00 T/H PH 0.0400 LB/MMBTU ESP BACT 99.50

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 1500.00 T/D ADP

COMPANY NAME/SITE LOCATION WESTVACO CORP. NORTH CHARLESTON, SC 29406 CHARLESTON COUNTY
P.O. BOX 5207

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/24/81
PERMIT NO. SC-037 ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY SOUTH CAROLINA DHEC (803)-758-5406
(AGENCY) (AGENCY CONTACT PERSON) OTTO PEARSON (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... BASIS
... PCT EFF

#10 RECOVERY BOILER	187500.00 LB/H BLS	S02	250.0000 PPM	LIMIT OF 30% SULFIDITY IN BLACK LIQUOR	BACT
		NOX	0.2500 LB/HBTU	BOILER DESIGN	BACT
		PM	0.0270 GR/DSCF	ESP	BACT
		TRS	0.0168 LB/T BLS	EQUIPMENT OPERATION	NSPS
POWER BOILER (COAL)	1207.00 HBTU/H	PM	0.1000 LB/HBTU	CYCLONE FOLLOWED BY ESP	NSPS
		S02	1.2000 LB/HBTU	LOW S COAL	NSPS
		NOX	0.7000 LB/HBTU	EQUIPMENT OPERATION	NSPS

NOTES -----
TSP, TRS, CO AND HC NOT SUBJECT TO PSD. THE NEW BOILER IS A REPLACEMENT FOR 3 EXISTING BOILERS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 600.00 ADT

COMPANY NAME/SITE LOCATION WESTVACO CORP. - FIVE PAPERS DIV. NICKLIFFE, KY
P.O. BOX 278

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-77-123
DETERMINATION MADE BY KENTUCKY DAPC
(AGENCY) BILL DILLS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/30/78
ESTIMATED DATE OF START-UP-- 1979
(502)-564-3382
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, BARK	463.00 MMBTU/H	PM	0.1000 LB/MMBTU 46.3000 LB/H ESP, MULTIPLE CYCLONE SEE NOTE #1	BACT 99.80 BACT
		SO2	1.2000 LB/MMBTU 469.6000 LB/H	N/B
		NOX	0.3000 LB/MMBTU LIQ. FUEL 0.7000 LB/MMBTU SOLID FUEL COMBUSTION CONTROL, SEE NOTE #2	45.00
FUEL HANDLING SYSTEM		PM	20.0000 LB/H HANDLING CONTROLS	90.00

NOTES -----
HEAT INPUT RATE VARIES DEPENDING ON FUEL TYPE. NOTE #1-0.8 LB/MMBTU ALLOWABLE SO2 WHEN FIRING FUEL OIL ONLY. NOTE #2- 2 STAGE COMBUSTION. ESP DATA REPLACED UNDER C-79-144.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 10.1

ID NUMBER KY-0033

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 186000.00 T/YR
 COMPANY NAME/SITE LOCATION MEYERHAEUSER CO. COLUMBUS, MS 39701 LOWMEDES COUNTY
 P.O. BOX 2288

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/22/80
 PERMIT NO. PSD-HS-027 ESTIMATED DATE OF START-UP-- 1983
 DETERMINATION MADE BY MISSISSIPPI DNR (601)-354-2550
 (AGENCY) (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT EMISSION LIMITS ... & BASIS
 POLLUTANT CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
 THRUPUT CAPACITY

POWER BOILER, COMBUSTION FUEL 762.00 MMBTU/H
 PH 0.1000 LB/MMBTU CYCLONE FOLLOWED BY ESP NSPS
 SO2 1.2000 LB/MMBTU COAL 99.00 NSPS
 0.8000 LB/MMBTU OIL
 0.72% S COAL/1.3% S OIL NSPS
 NOX 0.7000 LB/MMBTU COAL
 0.3000 LB/MMBTU OIL EQUIPMENT OPERATION
 RECOVERY BOILER, KRAFT MILL 155.00 T/H BLS
 PH 0.0440 GR/DSCF NSPS
 SO2 100.0000 PPM ESP 99.50 BACT
 NOX 70.0000 PPM OPERATION OF EQUIPMENT BACT
 TRS 5.0000 PPM EQUIPMENT OPERATION NSPS
 EQUIPMENT OPERATION
 LIME KILN 21.00 T/H
 PH 0.1300 GR/DSCF NSPS
 SO2 50.0000 PPM WET SCRUBBER 99.20 BACT
 EQUIPMENT OPERATION

BACT
NSPS

100.0000 PPM
EQUIPMENT OPERATION
8.0000 PPM
EQUIPMENT OPERATION

NOX
TRS

(CONTINUED) WEYERHAEUSER CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SHELT TANK	75.00 T/H OF MOLT*	PM	0.2000 LB/T BLS WET SCRUBBER	NSPS 65.00 BACT
		SO2	50.0000 PPM EQUIPMENT OPERATION	NSPS
		TRS	0.0168 LB/T BLS EQUIPMENT OPERATION	

NOTES -----
THERMO MECHANICAL PULP MILL - 185 T/D. KRAFT PULP MILL - 1200 T/D.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER MS-0005

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 120000.00 T/YR
 COMPANY NAME/SITE LOCATION WILLIAMETTE INDUSTRIES, INC., CORRUGATE# HANESVILLE, KY 42348 HANCOCK COUNTY
 P.O. BOX 130

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. C-80-24 DATE OF PERMIT ISSUANCE-- 04/30/80
 DETERMINATION MADE BY KENTUCKY DAPC ESTIMATED DATE OF START-UP-- 1981
 (AGENCY) (PHONE)
 BILL DILLS
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

WOOD WASTE BOILER 450.00 MBTU/H SO2 0.3150 LB/MBTU LOW S FUEL BACT
 NOX 0.7000 LB/MBTU NOTE#1 BACT
 PH 0.0400 LB/MBTU COMBUSTION CONTROL BACT
 MULTICLONE/VENTURI 99.30
 LIME KILN 175.00 T/D PROD. SO2 5.0300 LB/H BACT
 PH 0.1500 GR/DSCF BACT
 VENTURI 99.20

NOTES -----
 FORMERLY WESCOR CORP. NOTE #1 - ALLOWABLE = 0.2 LB/MBTU IF GAS/WOOD COMBUSTION USED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER KY-0039

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- 400.00 MMBTU/H

WOOD PULPING (OTHER THAN KRAFT)

AUGUSTA, GA

COMPANY NAME/SITE LOCATION AUGUSTA NEWSPRINT CO.

DATE OF PERMIT ISSUANCE-- 10/04/82
ESTIMATED DATE OF START-UP-- 1983
(404)-656-4867
(PHONE)

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2621-121-8497
DETERMINATION MADE BY GEORGIA EPD
(AGENCY)

DAVID WEAVER
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER	400.00 MMBTU/H	PM	0.1000 LB/MMBTU VENTURI SCRUBBER	NSPS 97.60
		SO2	0.8000 LB/MMBTU 298.0000 LB/H	
		NOX	0.3000 LB/MMBTU VENTURI SCRUBBER	20.00 NSPS
			0.2000 LB/MMBTU BARK/OIL FURNACE, BURNER DESIGN	

NOTES -----
UPPER LIMIT ON SO2 NEEDED TO PROTECT CLASS II INCREMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 10.2

ID NUMBER GA-0014

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APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION BEAR ISLAND PAPER CO.

ASHLAND, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 50840

DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

PAUL PITTS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/28/82
ESTIMATED DATE OF START-UP--
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMISSIONS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

BOILER, WOOD/COAL FUEL

469.00 MMBTU/H

PM	205.0000 T/YR WOOD FUEL	NSPS
	174.0000 T/YR COAL FUEL	
	CYCLOPNE & ESP	
SO2	1638.0000 T/YR WOOD FUEL	99.00 NSPS
	2092.0000 T/YR COAL FUEL	
	0.7 % SULFUR COAL	
NOX	1210.0000 T/YR WOOD FUEL	NSPS
	1210.0000 T/YR COAL FUEL	

NOTES

PM LIMIT BURNING WOOD & COAL TOGETHER IS 0.1 LB/MMBTU INPUT. SIMILAR LIMIT FOR SO2 IS 1.2 LB/MMBTU. THE LIMIT FOR NOX IS 0.7 L B/MMBTU.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER VA-0022

SOURCE TYPE CODE 10.2

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT) 150000.00 LB/H

COMPANY NAME/SITE LOCATION FLAMBEAU PAPER CORP.

PARK FALLS, WI

DETERMINATION IS B/L FOR A MODIFIED SOURCE.

PERMIT NO. HAA-10-CWB-01-51-026

DETERMINATION MADE BY WISCONSIN DNR (AGENCY)

EMILIA ESTRADA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/28/81
ESTIMATED DATE OF START-UP-- 1983
(608)-266-0244 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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80/20 WOOD/COAL BOILER	249.00 MBTU/H				
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		SO2	1.2000 LB/MBTU		LAER
		NOX	0.78 % S. MAX		
			0.7000 LB/MBTU		BACT

		PM	0.0600 LB/MBTU WOOD/COAL	BURNER MODIFICATION	BACT
--	--	----	--------------------------	---------------------	------

			0.1000 LB/MBTU COAL		
--	--	--	---------------------	--	--

				MULTICYCLONE & VENTURI SCRUB.	99.00
--	--	--	--	-------------------------------	-------

		PM	0.1000 LB/MLB EXHAUST GAS		BACT
			BAGHOUSE		99.70

		PM	0.1000 LB/MLB EXHAUST GAS		BACT
			BAGHOUSE		99.70

		PM	0.2000 LB/MLB EXHAUST GAS		BACT
			BAGHOUSE		99.70

		PM	0.2000 LB/MLB EXHAUST GAS		BACT
			BAGHOUSE		99.70

NOTES

MAJOR MODIFICATION SUBJECT TO PSD, BACT REQUIRED. DUE TO SO2 PROBLEM IN AREA, LAER IS REQUIRED FOR SO2. BOILER IS A MAJOR ATTA

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 947

ID NUMBER WI-0001

SOURCE TYPE CODE 10.2

IMENT AREA NOX SOURCE AND BACT IS APPLIED FOR NOX.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 948

ID NUMBER MI-0001

SOURCE TYPE CODE 10.2

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION FORT HOWARD PAPER CO.

MUSKOGEE, OK

MUSKOGEE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-OK-404
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

BILL TAYLOR
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/21/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
----------------------------------	---------------------	-------------------	--	----------------------------

PAPER MACHINE	48.00 MMBTU/H	NOX	0.3000 LB/MMBTU OIL 0.1200 LB/MMBTU GAS LOW NOX BURNERS	BACT		
		CO	0.0350 LB/MMBTU OIL 0.0170 LB/MMBTU GAS EFFICIENT OPERATION	BACT		
		SO2	0.3650 LB/MMBTU OIL 0.0002 LB/MMBTU GAS LOW SULFUR OIL	BACT		
		PM	0.0150 LB/MMBTU OIL 0.0060 LB/MMBTU GAS NORMAL OPERATION	BACT		
		VOC	0.0080 LB/MMBTU OIL 0.0040 LB/MMBTU GAS EFFICIENT OPERATION.	BACT		
		NOX	0.7000 LB/MMBTU COAL 0.3000 LB/MMBTU OIL LOW NOX BURNERS	BACT		
		NOX	0.2000 LB/MMBTU GAS	BACT		
		CO	0.0600 LB/MMBTU COAL 0.0340 LB/MMBTU OIL	BACT		
		BOILER	557.00 MMBTU/H			

CO	0.0170	LB/HBTU GAS	EFFICIENT OPERATION	BACT
S02	1.2000	LB/HBTU COAL		BACT
	0.7340	LB/HBTU OIL		
		LOW SULFUR OIL & COAL		
S02	0.0010	LB/HBTU GAS		BACT
PH	0.1000	LB/HBTU COAL		BACT
	0.0680	LB/HBTU OIL		
		BAGHOUSE		
PH	0.0050	LB/HBTU GAS		99.20
VOC	0.0170	LB/HBTU GAS		BACT
	0.0070	LB/HBTU OIL		
		EFFICIENT OPERATION		
VOC	0.0030	LB/HBTU GAS		

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 950

ID NUMBER OK-0004

SOURCE TYPE CODE 10.2

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION FORT HOWARD PAPER CO.
HAROLD ABITZ DRIVE

MUSKOGEE, OK 54305

MUSKOGEE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-OK-375
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

JOHN BURIYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/21/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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TURBINE

400.00 MMSTU/H

NOX	0.2000	LB/MMSTU N. GAS	BACT
PH	0.1100	LB/MMSTU N. GAS	BACT
SO2	0.0003	LB/MMSTU N. GAS	BACT
VOC	0.1200	LB/MMSTU N. GAS	BACT
CO	0.6800	LB/MMSTU N. GAS	BACT
NOX	0.2800	LB/MMSTU #2 OIL	BACT
PH	0.1100	LB/MMSTU #2 OIL	BACT
SO2	0.7500	LB/MMSTU #2 OIL	BACT
VOC	0.0300	LB/MMSTU #2 OIL	BACT
CO	0.7500	LB/MMSTU #2 OIL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER OK-0005

SOURCE TYPE CODE 10.2

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER OK-0005

SOURCE TYPE CODE 10.2

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT) PINE HILL, AL 36769 WILCOX COUNTY

COMPANY NAME/SITE LOCATION MACHILLAN BLOEDAL ALABAMA HIGHWAY 10

DETERMINATION IS BASED FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 04/30/80
 PERMIT NO. AL-063 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY ALABAMA APCD (205)-834-6570
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... BASIS ... PCT EFF
---------------------	-------------------	---	-----------------------

RECOVERY BOILER	960.00 MMBTU/H	PM 0.0440 GR/SDCF AT 8% O2 ESP	NSFS 99.00
		SO2 2339.0000 T/YR BOILER DESIGN	NSFS
		CO 12325.0000 T/YR EQUIPMENT OPERATION	NSFS
		NOX 902.0000 T/YR EQUIPMENT OPERATION	NSFS
		TRS 5.0000 PPM AT 8% O2 EQUIPMENT OPERATION	NSFS
POWER BOILER	770.00 MMBTU/H	PM 0.1000 LB/MMBTU ESP	NSFS 99.00
		SO2 1.2000 LB/MMBTU BOILER DESIGN	NSFS
		CO 114.0000 LB/H EQUIPMENT OPERATION	NSFS
		NOX 0.7000 LB/MMBTU EQUIPMENT OPERATION	NSFS

(CONTINUED) MACHILLAN BLOEDAL

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SHELT TANK	87.00 T/H BLS	PH	0.2000 LB/T BLS SCRUBBER	NSPS %0.00
		SO2	41.0000 T/YR	NSPS
		TRS	EQUIPMENT OPERATION 0.0168 LB/T BLS	NSPS
DIGESTERS		TRS	EQUIPMENT OPERATION 0.5000 SEC AT 1200 F INCINERATION	
EVAPORATORS		TRS	0.5000 SEC AT 1200 F INCINERATION	
WASHERS		TRS	0.5000 SEC AT 1200 F INCINERATION	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 954

ID NUMBER AL-0016

SOURCE TYPE CODE 10.2

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION SUNBELT FOREST PRODUCTS CORP.

BOLIGEE, AL

GREENE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-AL-073
DETERMINATION MADE BY ALABAMA APCD
(AGENCY)

SUE ROBERTSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/20/81
ESTIMATED DATE OF START-UP-- 1983
(205)-834-6570
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER, COAL, UNIT#2	470.00 HHBTU/H	PH	0.1000 LB/HHBTU MULTICLONE & SCRUBBER	NSPS 99.00
		SO2	1.2000 LB/HHBTU CAUSTIC SCRUBBER	NSPS 73.00
		NOX	0.7000 LB/HHBTU EQUIPMENT DESIGN & OPERATION	NSPS

BOILER, COAL, UNIT#3	250.00 HHBTU/H	PH	0.1000 LB/HHBTU MULTICLONE & SCRUBBER	NSPS 99.00
		SO2	1.2000 LB/HHBTU CAUSTIC SCRUBBER	NSPS 73.00
		NOX	0.7000 LB/HHBTU EQUIPMENT DESIGN & OPERATION	NSPS

BOILER, COAL, UNIT #1	480.00 HHBTU/H	PH	0.1000 LB/HHBTU MULTICLONE & SCRUBBER	NSPS 99.00
		SO2	1.2000 LB/HHBTU CAUSTIC SCRUBBER	NSPS 73.00
		NOX	0.7000 LB/HHBTU EQUIPMENT DESIGN & OPERATION	NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER AL-0009

SOURCE TYPE CODE 10.2

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER AL-0009

SOURCE TYPE CODE 10.2

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---
HARDBOARD
COMPANY NAME/SITE LOCATION ABI YIBI CORP.
ROARING RIVER, NC
WILKES COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NC 076
DETERMINATION MADE BY NORTH CAROLINA DEM
(AGENCY)
MIKE SEWELL
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/25/81
ESTIMATED DATE OF START-UP--
(919)-733-6126
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT
THROUGHPUT CAPACITY
EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION
... & BASIS
... PCT EFF

WOOD FIRED BOILER	120000.00 LB/H STEAM	PH	0.1000 LB/MMBTU	VENTURI SCRUBBER & MULTICLONE	NSPS
		S02	33.0300 LB/H		98.20
			145.0000 T/YR		
		CO	44.0400 LB/H	LOW S FUEL	NSPS
			192.9000 T/YR		
		NOX	35.2300 LB/H	EQUIPMENT OPERATION	NSPS
			154.3000 T/YR	EQUIPMENT OPERATION	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 957

ID NUMBER NC-0002

SOURCE TYPE CODE 10.3

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PLYWOOD PLANTS
 COMPANY NAME/SITE LOCATION KIRBY FOREST INDUSTRIES
 SILSBEE, TX
 HARDIN COUNTY
 DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. (REGION FILE NO.) PSD-TX-280
 DETERMINATION MADE BY EPA REGION VI
 (AGENCY)
 BILL TAYLOR
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 01/09/80
 ESTIMATED DATE OF START-UP--
 (214)-767-1594
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

BOILER, FBD WOOD WASTE FIRE 70000.00 LB/H PH 10.7000 LB/H SCRUB. IN SERIES W/SCRUB. 95.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

```

=====
SOURCE TYPE/SIZE--- WOODWORKING
=====
COMPANY NAME/SITE LOCATION BROYHILL FURNITURE
=====
MARION, NC
=====
MCDOWELL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-068
DETERMINATION MADE BY NORTH CAROLINA DEN
(AGENCY) MIKE SEWELL
(AGENCY CONTACT PERSON)
(919)-733-6126
(PHONE)
DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP-- 1980

=====
PROCESSES SUBJECT THROUGHPUT EMISSION LIMITS ... & BASIS
TO THIS PERMIT CAPACITY CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

WOODWORKING 90.00 BOARD F/MIN. PH 0.2950 LB/H BACT
1.3000 T/YR BAGHOUSE 99.90
=====

```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 959

ID NUMBER NC-0013A

SOURCE TYPE CODE 10.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOODWORKING
 COMPANY NAME/SITE LOCATION BROYHILL FURNITURE
 NEWTON, NC CATAWBA COUNTY

DETERMINATION IS BACT
 PERMIT NO. NC-063
 DETERMINATION MADE BY
 NORTH CAROLINA DEN
 (AGENCY)
 MIKE SENELL
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 04/25/80
 ESTIMATED DATE OF START-UP-- 1980
 (919)-733-6126
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT
 THROUGHPUT CAPACITY
 POLLUTANT EMISSION LIMITS
 CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
 ... PCT EFF

WOODWORKING BOOTHS
 PH 9.0000 LB/H
 BAGHOUSE
 BACT
 99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 960

ID NUMBER NC-0013

SOURCE TYPE CODE 10.5

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION BURLINGTON IHD.

HIGH POINT, NC

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC-036

DETERMINATION MADE BY

NORTH CAROLINA DEM
(AGENCY)

MIKE SEWELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP--
(919)-733-6126
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER

PM

0.6000 LB/H

BAGHOUSE
CLOSED LOOP BOILER FEED SYSTEM

BACT

NOTES -----

(*) INDICATES DATA WAS TRUNCATED FOR THIS TABLE.

PAGE G- 961

ID NUMBER NC-0020

SOURCE TYPE CODE 10.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION CROWN WOOD PRODUCTS

HOCKSVILLE, NC

DAVIE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 4819
DETERMINATION MADE BY

NORTH CAROLINA DEM
(AGENCY)

MIKE SEWELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/28/82
ESTIMATED DATE OF START-UP-- 1983
(919)-733-6126
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

BOILER, WOOD-FIRED

22.30 MBTU/H

VOC

917.0000 T/YR
NO CONTROL

BACT

NOTES -----

BOILER VOC LIMIT BASED ON AP-42 EMISSION FACTOR AND PERMIT STIPULATION LIMITING WOOD USAGE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER NC-0022

SOURCE TYPE CODE 10.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

15.00 T/H

OTHER WOOD PRODUCTS

SOURCE TYPE/SIZE--

ST MARIES, ID

EAGLE ENERGY

COMPANY NAME/SITE LOCATION

DATE OF PERMIT ISSUANCE-- 03/15/83
ESTIMATED DATE OF START-UP-- 1983
(208)-334-5360
(PHONE)

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. IDAHO AQB
DETERMINATION MADE BY (AGENCY)

CLINT AYER
(AGENCY CONTACT PERSON)

... & BASIS
... PCT EFF

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

POLLUTANT
EMITTED

THROUGHPUT
CAPACITY

PROCESSES SUBJECT
TO THIS PERMIT

WOOD DRYING & COMBUSTION

12.00 MMBTU/H SEE*

PM 24.0000 LB/H
CYCLONE/NET SCRUBBER
98.

NOTES

NOTE - BURN 0.4 T/H WET WOOD, 0.4 T/H DRY WOOD

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---	OTHER WOOD PRODUCTS	165000.00 LB/H	

COMPANY NAME/SITE LOCATION	GEORGIA-PACIFIC CORP.	DUDLEY, NC	WAYNE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.			
PERMIT NO. NC-061			DATE OF PERMIT ISSUANCE-- 01/07/80
DETERMINATION MADE BY	NORTH CAROLINA DEM	MIKE SEWELL	ESTIMATED DATE OF START-UP--
(AGENCY)	(AGENCY)	(AGENCY CONTACT PERSON)	(919)-733-6126
			(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS
			CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
			... BASIS

WOOD WASTE BOILER & ROTARY AND * 165000.00 LB/H	PM	246.0000 T/YR	BACT
		BAGFILTERS,CYC.& VENTURI SCRUB	99.87

NOTES -----
 MULTIPLE SHALL EMISSION POINTS WITH LIMITS OF 0.05 TO 31.0 LB/H.

(*) INDICATES FATH WAS TRUNCATED FOR THIS T'BLE.

PAGE 6- 964

ID NUMBER NC-0007

SOURCE TYPE CODE 10.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP.

DUDLEY, NC

WAYNE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 4923

DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY)

MIKE SEWELL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/01/82
ESTIMATED DATE OF START-UP-- 1983
(919)-733-6126
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

DRYER, SANDERDUST FUEL

10000.00 LB/H

PM 30.0000 LB/H SEE NOTE
CYCLONES, ESP

VE

CYCLONES, ESP

ORG*

CYCLONES, ESP

BACT 99.92
BACT 99.92
BACT 99.92
BACT 99.92

DRYERS, ROTARY WOODFLAKE (GREEN) 80000.00 LB/H

PM 30.0000 LB/H SEE NOTE
CYCLONES, ESP

VE

CYCLONES, ESP

ORG*

CYCLONES, ESP

BACT 99.92
BACT 99.92
BACT 99.92
BACT 99.92

NOTES -----
CONSTITUTES A REDETERMINATION. CYCLONES COULD NOT MEET PARTICULATE OR VISIBLE EMISSION LIMITATIONS. ESP APPLICATION TO WOODFLAKE DRYER PROCESS APPROACHES INNOVATIVE TECHNOLOGY. NOTE- ONE LIMIT FOR FUEL COMBUSTION AND PROCESS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 965

ID NUMBER NC-0007A

SOURCE TYPE CODE 10.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION HOOKER FURNITURE CORP.

ROANOKE, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 10523

DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

RENALDO JENKINS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/16/92
ESTIMATED DATE OF START-UP--
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

WOOD/COAL BOILER

20.00 MMBTU/H

PM

0.3000 LB/MMBTU MULTICLONE

90.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 966

ID NUMBER VA-0019

SOURCE TYPE CODE 10.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

683.40 MMBTU/H

KRAFT PULP MILLS

CAMDEN, AR

INTERNATIONAL PAPER CO.

DATE OF PERMIT ISSUANCE-- 07/05/82
ESTIMATED DATE OF START-UP-- 1985
(501)-562-7444
(PHONE)

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78-AR-1
DETERMINATION MADE BY ARKANSAS DPC
(AGENCY)

MIKE PORTA
(AGENCY CONTACT PERSON)

... & BASIS
... PCT EFF

POLLUTANT EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

THROUGHPUT
CAPACITY

PROCESSES SUBJECT
TO THIS PERMIT

STEAM BOILER

683.40 MMBTU/H

SO2 820.0000 LB/H FUEL BLENDING
NOX 480.0000 LB/H
CO 70.0000 LB/H TWO STAGE COMBUSTION
PM 0.1000 LB/MMBTU OXYGEN CONTROL
ESP

99.50

NOTES -----
TSP WAS NOT SUBJECT TO BAC - HOWEVER, IT WAS SUBJECT TO THE "BEST CURRENTLY AVAILABLE CONTROL TECHNOLOGY" UNDER ARKANSAS LAW.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 967

ID NUMBER AR-0007

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE-- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION INTERNATIONAL PAPER CO.

GURDON, AR

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-463AR-1
DETERMINATION MADE BY ARKANSAS DPC
(AGENCY)

MIKE PORTA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/25/83
ESTIMATED DATE OF START-UP--
(501)-562-7444
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILERS, WOOD WASTE, #1 & #2

PM

25.0000 LB/H, EA
SCRUBBER

CO

200.0000 LB/H, EA
EFFICIENT BOILER OPERATION

NOTES

THE CO RATE WAS ORIGINALLY 32.5 LB/H BUT WAS RAISED TO 200 LB/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER AR-0010

SOURCE TYPE CODE 10.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

240.00 T/D

OTHER WOOD PRODUCTS

SOURCE TYPE/SIZE---

EASTON, ME

COMPANY NAME/SITE LOCATION J.M. HUBER CORP.

DATE OF PERMIT ISSUANCE-- 08/25/82
ESTIMATED DATE OF START-UP-- 1983
(207)-289-2437
(PHONE)

DETERMINATION IS BACT FOR A NEW SOURCE.

ROBERT BALLEW
(AGENCY CONTACT PERSON)

DETERMINATION MADE BY MAINE DEP
(AGENCY)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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DRYERS, 2	240.00 T/D	PM	2.4800 LB/T WAFER BD HIGH EFF. CYCLONES	BACT
DRYERS PLUS BOILER, COMMON STAC*	240.00 T/D	VE	20.0000 % OPACITY FOR 15 MIN/3 H	BACT
WOOD BOILER	84.00 MBTU/H	PM	0.1200 LB/M/STU MULTICLONES	BACT
		SO2	100.0000 LB/H	BACT
		SO2	1000.0000 LB/D	BACT
		SO2	50.0000 T/YR	BACT
BLDG VENT SYSTEM		PM	BAGHOUSES	BACT 99.90

NOTES -----
DRYERS & BOILER IN COMMON STACK FOR VE CONCERN. FUGITIVE EMISSIONS CONTROLLED BY 1) VEGETATION OF ALL PLANT PROPERTY NOT IN ACTI
VE USE. 2) THE USE OF PAVED OR GRAVEL ROAD. 3) PAVING OR SURFACTANTS IF GRAVEL ROAD FAILS TO ADEQUATELY CONTROL
FUGITIVE EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER ME-0003

SOURCE TYPE CODE 10.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 240.00 T/D

COMPANY NAME/SITE LOCATION LOUISIANA-PACIFIC CORP. NEW LINERICK, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. DATE OF PERMIT ISSUANCE-- 01/27/82
 DETERMINATION MADE BY MAINE DEP ESTIMATED DATE OF START-UP-- 1982
 (AGENCY) (207)-289-2437
 (PHONE)
 ROBERT BALLEW
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
NO. 1 WOOD BOILER	24.60 MMBTU/H	PM	0.1500 LB/MMBTU ESP	BACT
		SO2	NO. 2 FUEL OIL ONLY	BACT
NO. 2 WOOD BOILER	24.60 MMBTU/H	PM	0.1500 LB/MMBTU ESP	BACT
NO. 1 WOOD FIRED DRYER	36.40 MMBTU/H	PM	1.8400 LB/T WAFER BD CYCLONE	BACT
		SO2	NO. 2 FUEL START UP ONLY	BACT
NO. 2 WOOD FIRED DRYER	36.40 MMBTU/H	PM	1.8400 LB/T WAFER BD CYCLONE	BACT
		SO2	NO. 2 FUEL START UP ONLY	BACT

(CONTINUED) LOUISIANA-PACIFIC CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
-------------------------------------	------------------------	----------------------	--	----------------------------

PNEUMATIC TRIM & FINES COLL. SYS

PM

BACT
99.90

FUGITIVE EMISSIONS

CYCLONE, BAGHOUSE

PM

PAVING/GRAVELLING/VEGETATE/SURFACTANTS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 971

ID NUMBER ME-0004

SOURCE TYPE CODE 10.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 60.00 MMBTU/H

COMPANY NAME/SITE LOCATION NATICK PAPERBOARD NATICK, MA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 24-119-MA-13
 DETERMINATION MADE BY EPA REGION I
 (AGENCY) SARAH SIMON
 (AGENCY CONTACT PERSON) (617)-223-4448
 (PHONE) DATE OF PERMIT ISSUANCE-- 04/30/81
 ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

BOILER REPLACEMENT, OIL-FIRED 60.13 MMBTU/H 502 145.9400 LB/H 2.2% S BACT

NOTES -----
 2.2% S FUEL ASSUMED. 1.42E5 BTU/GAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION PACKAGING CORP. OF MI

FIBER CITY, MI

MANISTEE COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 681-80

DETERMINATION MADE BY

MICHIGAN DNR

(AGENCY)

JOHN CAUDELL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/16/80

ESTIMATED DATE OF START-UP-- 1982

(517)-322-1333

(PHONE)

PROCESSES SUBJECT

TO THIS PERMIT

THROUGHPUT

CAPACITY

POLLUTANT

EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

BOILER, 2 TOTAL

325000.00 LB/H

PM

0.1000 LB/MLB EXHAUST

BAGHOUSE

CORRECTED TO 50% AIR

1.6700 LB/MMBTU 24 H AV

1% S COAL

99.90

NOTES

CONVERSION OF BOILER BACK TO COAL FIRING

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER MI-0012

SOURCE TYPE CODE 10.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

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=====
SOURCE TYPE/SIZE---      OTHER WOOD PRODUCTS
-----
COMPANY NAME/SITE LOCATION  PROCTOR & GAMBLE PAPER PRODUCTS
                               SOUTH BOSQUE, TX
                               MCLENNAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-TX-89
DETERMINATION MADE BY      EPA REGION VI
                               (AGENCY)

                               JOHN BUNYAK
                               (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/01/80
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

=====
PROCESSES SUBJECT TO THIS PERMIT      THROUGHPUT CAPACITY      POLLUTANT EMISSION LIMITS      ... & BASIS
                                     ... CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
=====
TISSUE ROLL CUTTING MACHINES, 3      PM      0.2700 LB/H EA      WET SCRUBBER      99.00

TISSUE CUTTING MACHINE, 1      PM      0.1500 LB/H      WET SCRUBBER      99.00

CELLULOSE PAD FORMATION MACHINE#      PM      0.1200 LB/H EA      BAGHOUSE      99.50

PLASTIC TRIMMING OPERATION      PM      5.0000 LB/H      CYCLONE & FILTERS      99.50

TURBINE, GAS, 2      350.00 MMBTU/H EA      PM      20.4000 LB/H EA      LOW ASH FUEL
SO2      144.0000 LB/H EA
NOX      118.8000 LB/H      WATER INJECTION

```

(CONTINUED) PROCTOR & GAMBLE PAPER PRODUCTS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TISSUE WINDING MACHINES, 2				
STEAM GEN	100.00 MMBTU/H	PM	0.3400 LB/H EA WET SCRUBBERS	
		PM	6.9000 LB/H LOW ASH FUEL OIL	
		SO2	75.9000 LB/H	
		NOX	0.7% S FUEL OIL 30.0000 LB/H LEA FIRING/FURNACE DESIGN	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 19.30 MM

COMPANY NAME/SITE LOCATION PROCTOR & GAMBLE PAPER PROD. PLANT OXNARD, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. (REGION FILE NO.) LA 79-08
 DETERMINATION MADE BY EPA REGION IX
 (AGENCY)
 RAY SEID
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 04/02/80
 ESTIMATED DATE OF START-UP--
 (415)-974-8066
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS ... & BASIS
 CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

GAS TURBINE 19.30 MM NOX 0.3198 LB/HMBTU FUEL OIL
 0.2165 LB/HMBTU NAT. GAS
 WATER INJECTION

NOTES -----
 BACT LIMITS DETERMINED BY NSPS STANDARDS.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 65000.00 T/YR

COMPANY NAME/SITE LOCATION AIRCO CARBON RIDGEVILLE, SC DORCHESTER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/11/82
 PERMIT NO. P/C-18-058 THRU 096 ESTIMATED DATE OF START-UP-- 1983
 DETERMINATION MADE BY SOUTH CAROLINA DHEC (803)-758-5406
 (AGENCY) (PERSON) (PHONE)

OTTO PEARSON
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

CARBOTTOM KILNS 27.90 T/H ELECTROM* PH 5.4300 LB/H USE OF NAT. GAS BACT
 SO2 1.3900 LB/H USE OF NATURAL GAS BACT
 NOX 17.5000 LB/H USE OF NATURAL GAS BACT
 VOC 0.0300 LB/H NO CONTROL

GRAHPITIZING FURNACE 7.40 T/H PH 33.8000 LB/H BAGHOUSE & PNEUMATIC COLL SYS
 SO2 296.6000 LB/H SEE NOTE
 H2S 160.8000 LB/H

NOTES -----
 COKE PACK MATERIAL WILL BE LOADED AND UNLOADED FROM THE FURNACES BY A PNEUMATIC COLLECTION SYSTEM. THE PACK MATERIAL WILL BE C
 OLLECTED IN A BAGHOUSES, FINESWILL BE REMOVED, THE COKE IS THEN RE-USED.
 SO2 CONTROLLED BY LIMITING SULFUR CONTENT OF THE FOLLOWING A.BAKED ELECTRODES LESS THAN 0.8% B.COKE PACK MATERIAL LESS THAN 3.
 5% C.MAKE-UP PACK MATERIAL LESS THAN 1.5%

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION A.O. SMITH CORP.

MILWAUKEE, WI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. ATT-03-80-41-026
DETERMINATION MADE BY WISCONSIN DNR
(AGENCY)

DATE OF PERMIT ISSUANCE-- 06/05/80
ESTIMATED DATE OF START-UP--
(414)-257-4411
(PHONE)

LARRY NIGHTINGALE
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER

PM
SO2

0.1500 LB/MMBTU

SULFUR .65%

BACT

NOTES -----
#6 FUEL OIL TO BE USED ONLY WHEN NATURAL GAS INTERRUPTED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 978

ID NUMBER WI-0020

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION BUICK MOTOR DIV., GMC

FLINT, MI

GENESSEE COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.

PERMIT NO. 535-79

DETERMINATION MADE BY MICHIGAN DNR
(AGENCY)

JOHN CAUDELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/31/81
ESTIMATED DATE OF START-UP--
(517)-322-1333
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILERS, COAL FIRED, 2 EA	485.00 MMBTU/H	PM	0.0300 LB/MMBTU BAGHOUSE	LAER
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		SO2	0.6000 LB/MMBTU 30 D AV	BACT
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		NOX	0.6000 LB/MMBTU 30 D AV	BACT
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COAL, LIME, HANDLING, & STORAGE		PM	0.0300 GR/DSCF ENCLOSURES & FABRIC FILTERS	BACT
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NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 979

ID NUMBER MI-0020

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 305.00 MBTU/H

COMPANY NAME/SITE LOCATION CAMPBELL SOUP CO.
STATE RT 71

E OF MAXTON, NC ROBESON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NC 074
DETERMINATION MADE BY NORTH CAROLINA DEM
(AGENCY) MIKE SENELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/29/81
ESTIMATED DATE OF START-UP-- 1982
(919)-733-6126
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... BASIS ... PCT EFF

FLUIDIZED BED COMBUSTION 305.00 MBTU/H

S02	1.2000 LB/MBTU	LIMESTONE	NSPS
PM	0.1000 LB/MBTU	BAGHOUSE	NSPS
NOX	0.7000 LB/MBTU	LOW PUMP	NSPS
		EQUIPMENT DESIGN	
VOC	40.0000 LB/D	LOW SOLVENT	RACT

CAN CONTROL 17150.00 LB/H

NOTES -----
5 BOILERS AT 61 MBTU/H EACH.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 980

ID NUMBER NC-0001

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION CHEVROLET TRUCK ASSEMBLY PLANT
VAN SLYKE AT ATHONTON RD

FLINT, MI 48551

GENESSEE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 426-79

DETERMINATION MADE BY MICHIGAN DNR
(AGENCY)

DAVID FERRIER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/25/80
ESTIMATED DATE OF START-UP-- 1982
(517)-322-1333
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER, COAL FIRED	171.00 MMBTU/H	PM	0.0600 LB/MMBTU CYCLONE & BAGHOUSE	99.50
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		SO2	1.6000 LB/MMBTU 24 H AV LOW S COAL, MAX 1%	
		NOX	0.6000 LB/MMBTU CONTROL EXCESS & OVERFIRE AIR	

ASH HANDLING SYS.

		PM	0.0300 GR/DSCF ENCLOSURES & BAG FILTERS	99.50
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COAL HANDLING SYS.

		PM	0.0300 GR/DSCF ENCLOSURES & BAG FILTERS	99.50
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NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 931

ID NUMBER MI-0019

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION CHICAGO & NORTHWESTERN TRANSP. CO.
600 SHERIDAN

ESCANABA WELLS, MI 49829 DELTA COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 161-80
DETERMINATION MADE BY MICHIGAN DNR
(AGENCY)

JOHN TROUT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/01/80
ESTIMATED DATE OF START-UP-- 1982
(517)-322-1333
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

RR CAR DUMPING PH 0.0160 LB/MLB EXHAUST BAGHOUSE 99.80

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 982

ID NUMBER MI-0009

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION COLT INDUSTRIES - HOLLEY CARBURETOR DIV
FOREST HEIGHTS ST.

PARIS, TN 38342

HENRY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSO-TN-061
DETERMINATION MADE BY TENNESSEE APCD
(AGENCY)

ANGIE PITCOCK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/01/80
ESTIMATED DATE OF START-UP--
(615)-741-3651
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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WFOLE PLANT

VOC 33.0000 T/YR
VAPOR RECOVERY

BACT

NOTES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TN-0003

SOURCE TYPE CODE 11.0

APPEALIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION FIRESTONE TIRE CO.
P. O. BOX 1708

ALBANY, GA 31702

DOUGHERTY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. GA 068
DETERMINATION MADE BY GEORGIA EPD
(AGENCY)

BILL MITCHELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/13/80
ESTIMATED DATE OF START-UP-- 1982
(404)-656-6900
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TIRE SEALANT LINE

VOC 32.5000 T/YR CARBON ADSORPTION

BACT 90.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION FORD MOTOR CO., LIMA ENGINE PLANT

OH

ALLEN COUNTY

DETERMINATION IS BACK FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-80-19
DETERMINATION MADE BY OHIO EPA N&D
(AGENCY)

CHUCK HULL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/14/80
ESTIMATED DATE OF START-UP--
(419)-352-8461
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER, COAL-FIRED

55.00 MTBTU/H

PM

0.0600 LB/MTBTU

MULTICLONES & ESP

SO2

1.6000

LB/MTBTU 24 H BASIS

LOW SULFUR COAL(< 1.0 % S)

NOTES
SOURCE NOT BUILT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 985

ID NUMBER OH-0006

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 35000.00 T/YR
 COMPANY NAME/SITE LOCATION GAF CORP. CHARMIAN, PA ADAMS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 78PA15 EPA REGION III (AGENCY)
 DETERMINATION MADE BY VERNON BUTLER (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 01/02/79
 ESTIMATED DATE OF START-UP-- 1979
 (215)-597-2711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

MILL 40.00 T/H PH 0.9600 LB/H BAGHOUSE BACT 99.85

NOTES -----

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION GAF CORP.

FONTANA, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. SE-78-07

DETERMINATION MADE BY

EPA REGION IX

(AGENCY)

DON HARVEY

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/01/79

ESTIMATED DATE OF START-UP--

(415)-974-8223

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

SURFACING & WINDING SECTIONS OF# 106.00 MLB/H

PH

2.5700 LB/H
0.0150 GR/SCF

BAGHOUSE

BACT

UNWIND & FESTOON SECTIONS OF RO#

PH

1.2900 LB/H
0.0150 GR/SCF

BAGHOUSE

BACT

SATURATOR

35.00 MLB/D

1.8900 LB/H
0.0200 GR/SCF

ESP

99.10

FILLER STORAGE SILO

0.4670 LB/H
0.0150 GR/SCF

VENT FILTER

BACT

FILLER UNLOAD

0.4500 LB/H
0.0150 GR/SCF

VACUUM FILTER

99.00

(CONTINUED) GAF CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TALC STORAGE		PM	0.1670 LB/H 0.0150 GR/SCF VENT FILTER	
SAND STORAGE		PM	0.1670 LB/H 0.0150 GR/SCF VENT FILTER	
TALC UNLOAD		PM	0.5270 LB/H 0.0150 GR/SCF VACUUM FILTER	
SAND & TALC USE BINS		PM	0.0260 LB/H 0.0150 GR/SCF BAGHOUSE	
FILLER USE BIN		PM	0.1410 LB/H 0.0150 GR/SCF BAGHOUSE	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 988

ID NUMBER CA-0018

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION GENERAL ELECTRIC CO.

BURKEVILLE, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SEE NOTES
DETERMINATION MADE BY ALABAMA DEM
(AGENCY)

SUE ROBERTSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/08/83
ESTIMATED DATE OF START-UP-- 1984
(205)-834-6570
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ROTARY KILN INCINERATOR	60.00 MTBTU/H	POHC	0.0100 % OF POHC INPUT WET SCRUBBERS PRIME COMBUST./QUENCH TOWER/PACKED TOWER	99.99
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99.10

PM	0.0600 GR/DSCF WET SCRUBBERS
SO2	13.8000 LB/H
CO	43.7000 LB/H
NOX	94.7000 LB/H
HCL	1.0000 % OF CL INPUT

99.00

WET SCRUBBERS
QUENCH TOWER/PACKED TOWER

FIXED HEARTH INCINERATOR	33.00 MTBTU/H	POHC	0.0100 % OF POHC INPUT WET SCRUBBERS PRIME COMBUST./QUENCH TOWER/PACKED TOWER	99.99
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99.10

PM	0.0600 GR/DSCF WET SCRUBBERS
SO2	6.0000 LB/H
CO	42.5000 LB/H
NOX	48.0000 LB/H
HCL	1.0000 % OF CL INPUT

99.00

WET SCRUBBERS
QUENCH TOWER/PACKED TOWER

(CONTINUED) GENERAL ELECTRIC CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY KILN INCINERATOR	60.00 MTBTU/H	PM	0.0100 % OF POHC INPUT WET SCRUBBERS PRIME COMBUST./QUENCH TOWER/PACKED TOWER	99.99
		SO ₂	13.8000 LB/H	
		CO	43.7000 LB/H	99.10
		NOX	94.7000 LB/H	
		HCL	1.0000 % OF CL INPUT WET SCRUBBERS QUENCH TOWER/PACKED TOWER	99.00
BOILER, 2	382.40 MTBTU/H EA	PM	0.0500 LB/MTBTU BAGHOUSE	BACT 99.00
		SO ₂	1.2000 LB/MTBTU LOW SULFUR COAL	BACT
		NOX	0.7000 LB/MTBTU DESIGN & OPERATION	NSPS
		CO	0.0400 LB/MTBTU	BACT
BOILER, 2	382.40 MTBTU/H EA	PM	0.0500 LB/MTBTU BAGHOUSE	BACT 99.00
		SO ₂	1.2000 LB/MTBTU LOW SULFUR COAL	BACT
		NOX	0.7000 LB/MTBTU DESIGN & OPERATION	NSPS
		CO	0.0400 LB/MTBTU	BACT
BOILERS, 2	249.00 MTBTU/H EA	PM	0.0500 LB/MTBTU BAGHOUSE	BACT 99.00
		SO ₂	1.2000 LB/MTBTU LOW SULFUR COAL	BACT
		NOX	0.7000 LB/MTBTU DESIGN & OPERATION	NSPS
		CO	0.0400 LB/MTBTU	BACT

(CONTINUED) GENERAL ELECTRIC CO.					... & BASIS	
PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION		...	PCT EFF
BOILER	266.80 MBTU/H	PM	0.0500 LB/MBTU BAGHOUSE		BACT	99.00
		SO2	1.2000 LB/MBTU LOW SULFUR COAL		BACT	
		NOX	0.7000 LB/MBTU DESIGN & OPERATION		NSPS	
		CO	0.0400 LB/MBTU		BACT	
ELECTRIC ARC FURNACES, 3	5.10 T/H	PM	0.0004 GR/SCF			99.00
		VE	29.4000 LB/H BAGHOUSE SYSTEM			
		VOC	15.0000 % OPACITY			
PRODUCTION UNITS			I & M PROGRAM REQUIRED		NSPS	72.70
COAL PREP PLANT	300.00 T/H	FUG*	0.0100 GR/DSCF BAGHOUSES, WET SUPPRESSION			
		VE	PARTIAL ENCLOSURES			
			0.0000 % ACROSS PROP. LINE			

NOTES -----
 LIMITS FOR PM, PM₁₀, & HCL ARE RCRA. EXPECTED PM₁₀ 2HC. EMIS. ARE < THIS STAND. SO THE EXPECTED IN LB/H ARE ALSO A LIMIT, IE. ROTARY KILN-PM=0.08 GR/DSCF, <6.7 LB/H -- HCL=1% OF CHLORINATED WASTE INPUT, <9.7 LB/H. FIXED HEARTH -- PH=8.3 LB/H, HCL=16.4 LB/H. FIXED HEARTH INCIN. NOT OPER. WHEN ROTARY KILN IS AVAILABLE. PERMIT # 207-008-X001 THRU X003, 207-008-X008, 207-008-X009, 207-008-X104 THRU X112, 207-008-X013, 207-008-X301, 207-008-X201, 207-008-X202, 207-008-X305, 207-008-X306, 207-008-X312.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

75.00 CARS/H

GENERAL MANUFACTURING AND FABRICATION

SOURCE TYPE/SIZE---

COMPANY NAME/SITE LOCATION GENERAL MOTORS

KANSAS CITY, KS

WYANDOTTE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY EPA REGION VII (AGENCY)

DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/13/81
ESTIMATED DATE OF START-UP--
(816)-374-6525
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

BOILERS, COAL FIRED SPREADER-ST# 820.00 MT/MTU/H (TO*

SO2

1.2000 LB/MT/MTU 30 D AV
1.6000 MAX.

BACT

PM

0.0300 LB/MT/MTU
LOW SULFUR COAL

BACT

NOX

0.6000 LB/MT/MTU
BAGHOUSE
BOILER DESIGN

BACT

NOTES -----

KANSAS DETERMINED LAER AND ISSUED PERMIT FOR VOC. CONSTRUCTION HAS BEEN DELAYED DUE TO GM'S LACK OF MONEY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 992

ID NUMBER KS-0006

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION GH DELCO PRODUCTS DIV
2000 FORRER BLVD.

KETTERING, OH 45429 MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 08-144
DETERMINATION MADE BY RAPCA - DAYTON, OH
(AGENCY)

JAMES GROSS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/11/79
ESTIMATED DATE OF START-UP-- 1980
(513)-225-4435
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT ENITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF & BASIS

BOTLER #4 150.00 MBTU/H PH 0.0600 LB/MBTU BAGHOUSE 99.00 BACT
SO2 1.2000 LB/MBTU LOW SULFUR COAL BACT

NOTES -----
RAM VERSION 78001 MODEL, WITH URBAN COEFFICIENTS AND HOURLY MET. DATA (1970-74), WAS USED TO ESTIMATE POLLUTANT'S IMPACTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 11.0

ID NUMBER OH-0010

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 120000.00 LB/H STEAM

COMPANY NAME/SITE LOCATION GH HYDRA-MATIC 1 HYDRA-MATIC DRIVE THREE RIVERS, MI 49093 ST. JOSEPH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. 657-78 DATE OF PERMIT ISSUANCE-- 06/15/79 ESTIMATED DATE OF START-UP-- 1981 DETERMINATION MADE BY MICHIGAN DNR (AGENCY) JOHN CAUDELL (AGENCY CONTACT PERSON) (517)-322-1333 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

BOILERS, COAL FIRED, 2 EA 60000.00 LB/H

POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PM	0.0600 LB/HBTU	BAGHOUSE	98.90
SO2	1.4000 LB/HBTU	1% S COAL	
NOX	0.6000 LB/HBTU	CONTRL EXCESS & OVERFIRE AIR	
PM	0.0300 GR/DSCF	BAG FILTERS	
		DUST SUPPRESSION	

NOTES -----

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---
 GENERAL MANUFACTURING AND FABRICATION
 160000.00 LB/H
 COMPANY NAME/SITE LOCATION GM PROVING GROUND
 MILFORD, MI 48000
 OAKLAND COUNTY

DETERMINATION IS BACT
 PERMIT NO. 658-78
 DETERMINATION MADE BY
 MICHIGAN DNR
 (AGENCY)
 JOHN CAUDELL
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 09/03/81
 ESTIMATED DATE OF START-UP-- 1982
 (517)-322-1333
 (PHONE)

PROCESSES SUBJECT
 TO THIS PERMIT
 THROUGHPUT
 CAPACITY
 EMISSION LIMITS
 CONTROL EQUIPMENT OR PROCESS MODIFICATION
 ... & BASIS
 ... PCT EFF

BOILERS, COAL FIRED, 4 EA 40000.00 LB/H EA
 PH 0.0300 LB/HBTU
 BAGHOUSE
 SO2 1.6000 LB/HBTU
 1/2 S COAL
 NOX 0.6000 LB/HBTU
 CONTRL EXCESS & OVERFIRE AIR
 99.90

COAL & ASH HANDLING
 PH 0.0300 GR/DSCF
 BAGFILTERS
 DUST SUPPRESSION

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 995

ID NUMBER MI-0026

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 75.00 CARS/H

COMPANY NAME/SITE LOCATION GHC ASSEMBLY PLANT LAKE ORION, MI 48000 OAKLAND COUNTY
GIDDING RD.

DETERMINATION IS LAER FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/01/80
PERMIT NO. 194-80 ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY: MICHIGAN DNR (517)-322-1333
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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PAINTING EQUIPT.	75.00 CARS/H	PM	3.0000 GR/MCF EXHAUST	LAER
PAINT PRIMER	75.00 CARS/H	VOC	304.5000 LB/H CATHODIC ELECTRO PROCESS	LAER
		VOC	663.0000 LB/H HIGH SOL PAINT, H2O BORNE PAINT	LAER

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 826.66
 COMPANY NAME/SITE LOCATION GMC ASSEMBLY PLANT LAKE ORION, MI 48000 OAKLAND COUNTY
 GIDDINGS RD.

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 208-80
 DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
 GREGORY EDWARDS (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 06/01/80
 ESTIMATED DATE OF START-UP-- 1982
 (517)-322-1333 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

SPREADER-STOKER 85.00 MMBTU/H EA S02 1.6000 LB/MMBTU 24 H AV LOW SULFUR COAL (< 1% S)
 NOX 0.6000 LB/MMBTU
 PH 0.0300 LB/MMBTU BAGHOUSE
 COAL & ASH HANDLING EQUIPMENT PH 0.0300 GR/DSCF ENCLOSURES & BAGHOUSE 99.00
 BOILER, COAL FIRED, 3 EA 247.22 MMBTU/H EA S02 1.6000 LB/MMBTU 24 H AV LOW SULFUR COAL (< 1% S)
 NOX 0.6000 LB/MMBTU
 PH 0.0300 LB/MMBTU BAGHOUSE 98.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 997

ID NUMBER MI-0005

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 75.00 AUTOS/H
 COMPANY NAME/SITE LOCATION GMC CADILLAC MOTORS CORP.
 HAMTRACK INDUST. PARK DETROIT, MI WAYNE COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
 PERMIT NO. C-5763 THRU C-5763
 DETERMINATION MADE BY WAYNE COUNTY APCD
 (AGENCY)
 AL SCHEANS
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 06/10/81
 ESTIMATED DATE OF START-UP-- 1983
 (313)-224-4693
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BODY WELDING	362050.00 VEH/YR	PM	NO VIS. EMISS. ZONE ESP	
BRONZE WELDING	362050.00 VEH/YR	PM	NO VIS. EMISS. HOOD AND ESP	99.00
ROUGH GRIND	362050.00 VEH/YR	PM	3.0000 GR/MCF ZONE ESP & BAGHOUSE	
FINISH GRIND	362050.00 VEH/YR	PM	3.0000 GR/MCF ZONE ESP & BAGHOUSE	
OLEUM DECK	362050.00 VEH/YR	VOC	3.6000 LB/GAL WITH H2O H2O DISPURSED SOLVENT	
ELPO PRIMER	362050.00 VEH/YR	VOC	0.1600 KG/L APPL. SOL. AQUEOUS CATHODIC ELECTRO-DEPO.	

(CONTINUED) GMC CADILLAC MOTORS CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRIMER/SURFACER	362050.00 VEH/YR	VOC	3.2000 LB/GAL APPL. SOL 62.0000 % TRANSFER EFF HIGH SOLIDS ENAMEL & ELECT. SP	
		PM	98.0000 % OVERSPRAY CONTRL WATER WASH BOOTH	
ALL TOPCOAT PAINT BOOTHS	362050.00 VEH/YR	PM	98.0000 % OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	2.8000 LB/GAL APPL. SOL 37.0000 % TRANSFER EFF SEE NOTE	
TRUCK COATING	362050.00 VEH/YR	PM	NO VIS. EMISS. DRY FILTERS	
		VOC	2.8000 LB/GAL APPL. SOL SEE NOTE	
ANTI-CORROSION, DOORS	362050.00 VEH/YR	PM	1.0000 GR/MCF DRY FILTERS	
		VOC	4.4000 LB/GAL APPL. SOL HIGH SOLIDS WAX	
ANTI-CORROSION, FENDERS	362050.00 VEH/YR	VOC	4.0000 LB/GAL APPL. SOL HIGH SOLIDS WAX	
UNDERBODY DEADNER	362050.00 VEH/YR	PM	98.0000 % OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	0.4200 LB/GAL APPL. SOL H2O DISPURSED MATL.	
SHALL PARTS	362050.00 VEH/YR	PM	98.0000 % OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	2.8000 LB/GAL APPL. SOL SEE NOTE	

(CONTINUED) GMC CADILLAC MOTORS CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TEMP. SENSITIVE PARTS BOOTH	382050.00 VEH/YR	PM	98.0000 % OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	6.0000 LB/GAL APPL. SOL LACQUER DRIED AT 160 DEG F	
FLEXIBLE PARTS	382050.00 VEH/YR	PM	98.0000 % OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	2.6000 LB/GAL APPL. SOL 25% TE - BASE COAT	
		VOC	4.2000 LB/GAL APPL. SOL 30% TE - CLEAR COAT	
WHEEL BOOTH	382050.00 VEH/YR	PM	98.0000 % OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	2.8000 LB/GAL APPL. SOL WATERBORNE ENAMEL	
FINAL REPAIR	382050.00 VEH/YR	PM	1.0000 GR/MCF DRY FILTERS	
		VOC	4.8000 LB/GAL APPL. SOL	
SEALER/ADHESIVES	382050.00 VEH/YR	VOC	70.9000 LB/H USE OF AVAILABLE MATERIALS	
PAINT RACK BURN-OFF		PM	1.0000 GR/MCF BAGHOUSE	

NOTES -----
USE OF HIGH SOLIDS ENAMEL WITH PARTIAL USE OF ELECTROSTATIC SPRAY (OVERALL 37% TRANSFER EFF.) AND USE OF BAKE OVEN VOC EMISSION INCINERATION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-1000

ID NUMBER MI-0021

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 75.00 AUTOS/H
 COMPANY NAME/SITE LOCATION GMC CADILLAC MOTORS CORP.
 HAMTRACK INDUST. PARK
 DETROIT, MI WAYNE COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.
 PERMIT NO. C-5764 THRU C-5775
 DETERMINATION MADE BY WAYNE COUNTY APCD
 (AGENCY)
 AL SCHEANS
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 06/10/81
 ESTIMATED DATE OF START-UP-- 1983
 (313)-224-4693
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

BOILER, POWERHOUSE, 3 EA 247.00 MBTU/H
 PM 0.0300 LB/MBTU BAGHOUSE LAER
 NOX 0.6000 LB/MBTU LAER
 SO2 1.1000 LB/MBTU BACT
 CO LOW S COAL LAER
 COMBUSTION CONTRL
 PM 0.0100 LB/MLB EXHAUST
 BAGHOUSE FOR PNEU. TRANS
 PM H2O SPRAY/ENCLOSURE WITH ROOF
 PM NO VIS. EMISS.
 ENCLOSED CONVEYOR & BAGHOUSE
 PM NO VIS. EMISS.
 CONCRETE STOR. PAD/SPRINK. SYS

(CONTINUED) GMC CADILLAC MOTORS CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASH SILO	300.00 T	PM	0.0100 LB/HLB EXHAUST PRIM. & SEC. CYC. & BAGHOUSE	
ASH LOADOUT		PM	NO VIS. EMISS. WETTED ASH DISCH. & COVERED TR	

NOTES -----
LIMITS ARE FOR WHOLE PLANT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-1002

ID NUMBER MI-0022

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION GNC CHEVROLET MOTOR DIV.
100 FITZGERALD ST.

BAY CITY, MI 48706

BAY COUNTY

DETERMINATION IS LAER FOR A MODIFIED SOURCE.

PERMIT NO. 488-79
DETERMINATION MADE BY

MICHIGAN DNR
(AGENCY)

JOHN VIAL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/01/80
ESTIMATED DATE OF START-UP-- 1980
(517)-322-1333
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

STANDS, CARBURETOR TEST, 40 EA

VOC

0.2000 PPH

INCINERATOR

LAER
99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-1003

ID NUMBER MI-0023

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION HILTI INDUSTRIES, INC

TULSA, OK

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. T79-27
 DETERMINATION MADE BY TULSA CITY-COUNTY HEALTH DEPT BILL GIBBONS
 (AGENCY) (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 08/08/79
 ESTIMATED DATE OF START-UP-- 1980
 (918)-744-1000
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ZINC PLATING	9.50 MMLB/YR	PM		BACT
BLACK MANGANESE-PHOSPHATE LINE	9.50 MMLB/YR	PM		BACT
RUSH INHIBITOR LINE	9.50 MMLB/YR	PM		BACT
RACK STRIP LINE	9.50 MMLB/YR	PM		BACT

NOTES -----
 NEW FACILITY. CONTROL EFFICIENCIES BASED ON APPLICANT'S TESTING OF SIMILAR EQUIPMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION IBM OMEGO, NY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/12/82
 PERMIT NO. ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY EPA REGION II (212)-264-9578
 (AGENCY) (PHONE)
 PAUL KAHN
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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GAS TURBINE, 2 EA	2.50 MM	NOX	COMBUSTION CONTROLS	B/N
		S02	#2 OIL, S > 0.5%	B/N
IC ENGINES, 2 EA	180.00 KW	S02	#2 OIL, S > 0.5%	BACT
OC ENGINE	150.00 KW	S02	#2 OIL, S > 0.5%	BACT

NOTES -----
 OPERATING HOURS NOT TO EXCEED 720 HOURS PER YEAR PER UNIT, GAS TURBINE MUST COMPLY WITH NSPS SUBPART GG.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

===== SOURCE TYPE CODE 11.0
 ID NUMBER NY-0006
 PAGE G-1005

APPENDIX -- DETAILED SOURCE LISTING

06/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 59.00 MM

COMPANY NAME/SITE LOCATION IBM CORP. SAN JOSE, CA 95193

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 06/09/82
 PERMIT NO. SFB-82-01 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY EPA REGION IX (415)-974-8240
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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TURBINE	4100.00 GAL/H	SO2	223.0000 LB/H	BACT
			0.3% S FUEL OIL	
		NOX	142.0000 LB/H	BACT
			40.0000 PPM	
			H2O INJECT.--0.94 LB H2O/LB FUEL	80.00

NOTES -----
 #2 FUEL OIL AT NO GREATER THAN 0.3% SULFUR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-1006

ID NUMBER CA-0038

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---

GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION IBM CORP.
740 NEW CIRCLE RD.

LEXINGTON, KY 40511

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. C-78-18
DETERMINATION MADE BY KENTUCKY DAPC
(AGENCY)

DATE OF PERMIT ISSUANCE-- 06/23/78
ESTIMATED DATE OF START-UP-- 1979
(502)-564-3382
(PHONE)

GEORGE DAY
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
LIMITED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

KILO 3 & 4 COATERS

230.40 LB/H

VOC

CARBON ADSORBERS & ENCLOSURES

LAER
88.00

KILO 5 & 6 COATERS

230.40 LB/H

VOC

CARBON ADSORBERS & ENCLOSURES

LAER
95.00

NOTES

EFFICIENCY INCLUDES LOSSES FROM INK MIXING, COATING, DRYING, INTERMEDIATE STORAGE, CLEANUPS, AND SOLVENT RECOVERY SYSTEMS.

KILO 5 & 6 ARE COVERED UNDER PERMIT # C-80-103, WITH A STARTING DATE OF 12/01/81 AND PERMIT DATE OF 10/16/80.

(*) INDICATES DATA WAS TRUNCATED FOR THIS TABLE.

PAGE G-1007

ID NUMBER KY-0037

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION POOL CO.

SAN ANGELO, TX

TOM GREEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. X3714

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)

RANDY HAMILTON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/28/82
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

ABRASIVE CLEANERS

PM

0.4000 T/YR

WET SCRUBBER

99.00

PAINT BOOTHS

VOC
PM

12.4000 T/YR SEE NOTE

DRY FILTERS

90.00

NOTES -----

VOC EMISSION BASED ON 3 LB VOC/GAL PRIMER & 4 LB VOC/GAL FINISH COATINGS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G-1008

ID NUMBER TX-0102

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

360.00 MMBTU/H

GENERAL MANUFACTURING AND FABRICATION

SOURCE TYPE/SIZE---

STATEN ISLAND, NY

COMPANY NAME/SITE LOCATION PROCTOR & GAMBLE

DATE OF PERMIT ISSUANCE-- 02/25/82
ESTIMATED DATE OF START-UP-- 1984
(212)-264-8690
(PHONE)

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. EPA REGION II
DETERMINATION MADE BY (AGENCY)

EDWARD NOWAK
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

BOILER

360.00 MMBTU/H

PM 0.1000 LB/MMBTU
0.0500 GR/DSCF
CO 0.2200 LB/MMBTU
MULTICLONE & VENTURI SCRUBBER
PROPER COMBUSTION AIR

BACT 85.00

HOGGING OPERATION

PM 0.0500 GR/DSCF
VE 20.0000 % OPACITY
BAGHOUSE / MULTICLONE

BACT 80.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-1009

ID NUMBER NY-0007

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION CHATTANOOGA-HAMILTON COUNTY HOSPITAL AU# CHATTANOOGA, TN
975 E. THIRD ST.

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 0150-50200505-011
DETERMINATION MADE BY CHATTANOOGA APCB
(AGENCY)

HARVEY RICE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/15/82
ESTIMATED DATE OF START-UP-- 1983
(615)-867-4321
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT ENITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF & BASIS

INCINERATOR 1250.00 LB/H CHARGE* PH 0.0800 GR/DSCF 0.1000 LB/100 LB CHARGED CONTROLLED COMBUSTION BACT

NOTES -----
THIS EQUIPMENT WILL BE CAREFULLY OPERATED TO MINIMIZE EMISSIONS. A STOICHIOMETRIC MIXTURE WILL BE MAINTAINED IN THE COMBUSTION CHAMBERS BY INSTRUMENTATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION CHATTANOOGA-HAMILTON COUNTY HOSPITAL AU* CHATTANOOGA, TN
975 E. THIRD ST.

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 0150-50200505-021
DETERMINATION MADE BY CHATTANOOGA APCB
(AGENCY)

HARVEY RICE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/15/82
ESTIMATED DATE OF START-UP-- 1983
(615)-867-4321
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS POLLUTANT EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

INCINERATOR 1250.00 LB/H CHARGE* PH 0.0800 GR/DSCF 0.1000 LB/100 LB CHARGED CONTROLLED COMBUSTION BACT

NOTES -----
THIS EQUIPMENT WILL BE CAREFULLY OPERATED TO MINIMIZE EMISSIONS. A STOICHIOMETRIC MIXTURE WILL BE MAINTAINED IN THE COMBUSTION CHAMBERS BY INSTRUMENTATION. LIMITED TO 4100 HRS OPERATION PER YEAR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION NORTHERN MICHIGAN UNIV.

MARQUETTE, MI 49855

MARQUETTE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 121-80
DETERMINATION MADE BY MICHIGAN DNR
(AGENCY)

DATE OF PERMIT ISSUANCE-- 10/20/81
ESTIMATED DATE OF START-UP-- 1983
(517)-322-1333
(PHONE)

JOHN CAUDELL
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

COAL-FIRED BOILERS, 3 EA 60000.00 BTU/H

PM

0.0300 LB/HRBTU
BAGHOUSE

99.70

SO2

1.4000 LB/HRBTU
LOW SULFUR COAL

NOX

0.6000 LB/HRBTU
CONTROL EXCESS & OVERFIRE AIR

COAL & ASH HANDLING & STORAGE

PM

0.0300 GR/DSCF
ENCLOSURES & BAG FILTERS

99.70

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-1012

ID NUMBER MI-0003

SOURCE TYPE CODE 12.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION RADFORD ARMY AMMUNITION PLANT

RADFORD, VA

MONTGOMERY/PULASKI COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 79VA07

DETERMINATION MADE BY EPA REGION III (AGENCY)

VERNON BUTLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/27/80
ESTIMATED DATE OF START-UP-- 1984
(215)-597-2711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

CANB THERMAL DEHYDRATOR

2.40 MM/LB/MONTH

PM

0.9000 LB/H

BACT

VOC

217.0000 LB/H

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G-1013

ID NUMBER VA-0010

SOURCE TYPE CODE 12.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL 68.00 MBTU/H

COMPANY NAME/SITE LOCATION UNIVERSITY HOSPITAL CINCINNATI, OH HAMILTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
 PERMIT NO. 14310702078003
 DETERMINATION MADE BY SOUTHWEST OHIO, APCA
 (AGENCY) STANLY KOZEMBA
 (AGENCY CONTACT PERSON) (PHONE)

DATE OF PERMIT ISSUANCE--
 ESTIMATED DATE OF START-UP--
 (513)-251-8777

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	68.00 MBTU/H	PM	0.2250 LB/MBTU		94.00
		SO2	2.0000 LB/MBTU		

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-1014

ID NUMBER OH-0029

SOURCE TYPE CODE 12.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION UNIVERSITY OF CINCINNATI

CINCINNATI, OH

HAMILTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 1431070849

DETERMINATION MADE BY

EPA REGION V

(AGENCY)

BONIFACE THAYIL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/13/81

ESTIMATED DATE OF START-UP--

(312)-886-6054

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

HEATING PLANT - COAL

PH

0.1800 LB/MMBTU

MULTIPLE CYC & HOPPER EVACUAT.

S02

1.6000 LB/MMBTU

NOTES

SIX MONTH PERIOD WITH MULTIPLE CYCLONE ONLY IN ORDER TO PROPERLY SIZE HOPPER EVACUATION SYS. CONTINUOUS OPACITY MONITORS TO BE INSTALLED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-1015

ID NUMBER OH-0019

SOURCE TYPE CODE 12.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION UNIV. OF MICH., CEN HEATING PLANT
1120 E. HURON ST.

ANN ARBOR, MI 48104

WASHTENAW COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 531-78
DETERMINATION MADE BY MICHIGAN DNR
(AGENCY)

JOHN CAUDELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/01/80
ESTIMATED DATE OF START-UP-- 1982
(517)-322-1333
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

BOILERS, GAS/OIL-FIRED 220.00 MBL/H EA

SO2	0.5200 LB/MMBTU LOW S OIL
NOX	0.3000 LB/MMBTU OIL CONTRL EXCESS & OVERFIRE AIR
NOX	0.2000 LB/MMBTU GAS CONTRL EXCESS & OVERFIRE AIR

NOTES -----
2 OIL OR GAS-FIRED BOILERS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-1016

ID NUMBER MI-0011

SOURCE TYPE CODE 12.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL 318.00 MBTU/H

COMPANY NAME/SITE LOCATION US AIRFORCE-MALMSTROM GREAT FALLS, MT 59402 CASCADE COUNTY
MALSTROM AFB

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. JOHN DALE DATE OF PERMIT ISSUANCE-- 06/01/81
DETERMINATION MADE BY EPA REGION VIII ESTIMATED DATE OF START-UP-- 1984
(AGENCY) (AGENCY CONTACT PERSON) (303)-837-3763
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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3 HEATERS	318.00 MBTU/H	NOX	0.5000 LB/MBTU 106.0000 LB/H BOILER DESIGN	BACT
		PM	7.6000 LB/H FF	BACT 99.80
		SO2	0.3200 LB/MBTU 67.6000 LB/H DRY SCRUB	BACT 25.00
COAL CONV	36.00 MT/YR	PM	1.0000 T/YR ENCLOSURE	BACT 95.00
COAL STOCKPILE	36.00 MT/YR	PM	1.0000 T/YR TELE CHUTE	BACT 75.00
HANDLING(ASH)		PM	WATERSPRAYS	BACT 0.00

(CONTINUED) US AIRFORCE-MALMSTRÖM

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME SYS		PM	6.0000 T/YR FF	BACT 99.60
PILE RECLAIM	36.00 MT/YR	PM	1.0000 T/YR	BACT
WIND EROSION		PM	27.0000 T/YR	BACT

NOTES -----
HIGH TEMPERATURE WATERS. TWO UNITS OPERATING AN ONCE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.